

# OLYMPUS

## OM Sales Manual

OM-2/OM-1/OM-10/T20

RESTRICTED  
DISTRIBUTION





# 1 OM-2 **Sales Points**

**Centralized Control System  
for total, multi-mode  
auto function**

**TTL Direct (off-the-film) Light  
Measuring**

**Unrivalled electronic shutter  
'auto' range**

**Total OM System versatility**

**World's first truly  
automatic flash**

**Size and manual  
function identical with OM-1**



The OM-2 was the electronic shutter camera that was called "incredible" when introduced and is still unbeatable for its unique Centralized Control System.

In size, appearance and manual function, the OM-2 is the twin of the OM-1, and affords the same total interchangeability with the OM System. During "AUTO" operation, it is radically different from any other camera\* thanks to TTL Direct (OTF) Light Measuring, the only method that works on real time, without a "memory device" to measure the light actually hitting the

film plane DURING the exposure. The many advantages include absolute accuracy, far greater sensitivity, Centralized Control Flash in which the camera completely controls the flash emission, individual exposure automation for every frame even during high speed motor drive, etc.

Like the OM-1, the OM-2 now features full flash indication in the viewfinder and even more conveniently designed controls.

\* Except the OM-10, which also uses TTL Direct (OTF) Light Measuring.



**Sales  
Points**

# OM-12

**The pioneering lightweight,  
compact, true system  
35mmSLR**

**Smooth, quiet, top-precision  
operation**

**Beautifully balanced  
controls and 'feel'**

**Unsurpassed versatility**

**Outstanding toughness  
and reliability**

This is the camera that changed the course of 35mm single lens reflex camera history by giving a new meaning to functionality in terms of performance, versatility and handling.

The OM-1 cut some *35% off the weight and bulk of traditional 35 SLRs* and vastly reduced shutter/mirror noise and shock. This great improvement in handling complemented the OM-1's unsurpassed versatility with its comprehensive OM System of interchangeable focusing screens, full motor drive and winder capability, interchangeable camera backs, etc. Camera performance was highlighted by the

exceptionally large, bright finder, large, positive controls, outstanding ruggedness, reliability and many other features.

Today's OM-1 is the same perennial favorite whose sales have already pushed past the million mark, but with important improvements that make it more attractive than ever.





# 3OM-10

Sales  
Points

**Failsafe electronic performance**

**TTL Direct (off-the-film) Light Measuring**

**World's first audio-visual indicator system**

**OM System versatility including motorized film advance**

**Compact, elegant and economical**

Highly advanced in concept, but extremely simple to use, this exciting new automatic camera is intended especially for amateur photographers who want the performance and versatility of a system 35 SLR as well as the assurance of perfect results without troublesome settings.

The OM-10 uses the TTL Direct(OTF)Light Measuring method pioneered by the OM-2 and in addition incorporates a host of sophisticated electronic monitor and control devices to guarantee failsafe operation. Among its many built-in features are the world's first audio-visual signals for battery check and self timer operation, full viewfinder flash indication and



LED shutter speed display. An optional adapter for manual shutter speeds is also available.

The OM-10 accepts all OM System lenses, macro units, etc., as well as the fast Winder 1 (3 shots per second!), Electronic Flash T20, etc.

The compact, attractive design, advanced electronic functions and competitive price of this remarkable new camera promise to make it extremely popular.



**ELECTRONIC FLASH**

**Sales  
Points**

**T204**

**Total flash automation  
with the OM-2**

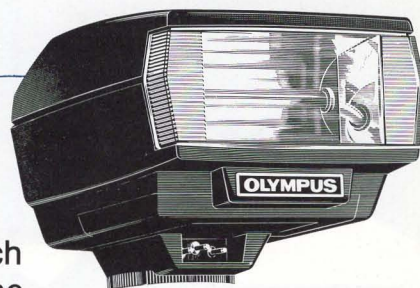
**Choice of normal Auto or  
Manual flash with the OM-1  
and OM-10.**

**Fantastically easy to use**

**Full flash charge/correct flash  
exposure indications in OM  
camera viewfinders**

The Electronic Flash T20 turns flash photography into a completely new experience. With any of the OM cameras, it provides a direct viewfinder indication both of full flash charge and, for the first time in the world, correct flash exposure. It also makes using flash easier and more foolproof. Most remarkable is the performance of the T20 together with the OM-2. When the reversible back panel is inserted for

TTL Auto\* flash, every flash function except the ON/OFF switch is controlled by the camera, which even switches automatically between TTL Auto flash and Manual flash modes. Yet, despite its outstanding performance, the T20 is exceptionally light and compact.



\*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.



# 5

# What's

**Top quality, auto or  
full exposure control  
... OM-2**

P. 21-22

**Top quality, full  
exposure control  
system  
... OM-1**

P. 31-32

**Light and compact  
... OM-2, 1, 10**

**Big, bright viewfinder  
... OM-2, 1, 10**

**Smooth shutter  
... OM-2, 1, 10**

**Full flash indications  
in the viewfinder  
... OM-2, 1, 10**

P. 25, 36

**Easy film changing  
... OM-2, 1, 10**

**Auto exposures to  
120 seconds  
... OM-2**

P. 26

**An attractively priced  
Auto that can also  
be set manually  
... OM-10**

P. 39-40



# Your Kind of Cam

**Tough enough for  
professional  
assignments  
... OM-2, 1**

**A system for  
research  
photomicrography  
... OM System**

P.65-66

**Big system  
... OM-2, 1**

**TTL Direct (off-the-  
film) Light Measuring  
... OM-2, 10**

P. 21-22, P41-42

**With Winder that  
shoots up to 3 frames  
per second  
... OM-2, 1, 10**

P. 51-

**A camera anyone can  
use  
... OM-10**

P. 39-40

**A brand with a top  
reputation  
... OLYMPUS**

**Worldwide service  
network  
... OLYMPUS**

**A camera  
right to ha  
... OM-2,**



# Camera?

# 7

**System versatility**  
... OM-2, 1

P. 19-20

**Big choice of interchangeable lenses**

... OM-2, 1, 10

P. 47-48

**Good for close-ups and macro photos**

... OM System  
(with OM-2, 1, 10)

P. 63-64

**A camera that's good for normal auto flash,**

... OM-1, 10,  
(OM-2)

P. 55-56

**A camera that's good for flash (for fully automatic TTL Auto)**

... OM-2

**Frames**

P. 51-52

**With 5-frame-per-second Motor Drive**

... OM-2, 1

P. 51-52

**Able to print data on the photos with Recordata Back**

... OM-2, 1

P. 67

**Camera that feels to handle**

... OM-2, 1, 10

P. 31-32



# Getting the Best Out of This Manual

# 8

This OLYMPUS OM SALES MANUAL is planned to make the job of selling OLYMPUS OM cameras and system units easier and more enjoyable. In addition to providing instant information on the cameras and equipment, it gives direct answers to the kind of questions your customers are most likely to ask, and includes a highly useful comparison with cameras by other makers competing in the same market. It also introduces a classification of the 35 SLR market, which should help you lead your customer to the most suitable OM camera model. It supplies a background sketch of OLYMPUS as a company and of the design philosophy that has made the OM cameras and system such a resounding success with photographers and dealers alike.

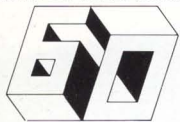
**The manual is indexed and coded to let you find information immediately with a minimum of trouble (see back cover).** However, we strongly recommend that you familiarize yourself with the contents before you meet the customer. He will be all the more impressed by your mastery of the subject.

At OLYMPUS we are firmly committed to backing up dealer sales efforts in every way possible. If you have any comments or suggestions with regard to this manual or other materials, we will be most pleased to hear them and take them into consideration in our future marketing activities.



# 9 The OLYMPUS Story- 60 Years of "Progress thro

OLYMPUS ANNIVERSARY



1919 · 1979



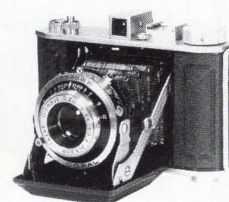
Semi OLYMPUS — 1937



Six I — 1940



35 I — 1947



Chrome Six III — 1951



Flex B I — 1951



35 S 1.8 — 1957



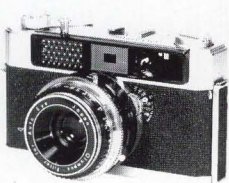
Ace — 1958



Auto B — 1959



Pen — 1959



Auto Eye — 1960



Pen EE — 1961

Olympus Optical Co., Ltd., was established in 1919. The company's first products were microscopes which continue as an important mainstay. In fact, today, the company manufactures every kind of microscope from simple models for school use to extremely sophisticated biological, metallurgical, stereoscopic, surgical and system microscopes. They have earned a worldwide reputation for superb performance. The experience gained in this ultra-high precision industry has stood OLYMPUS in good stead with regard to other product lines, too.

The first OLYMPUS camera, the bellows type "Semi Olympus" using an OLYMPUS Zuiko lens, appeared in 1936. Since then an unceasing quest for better performance and functionality



has repeatedly confirmed OLYMPUS' reputation as a pioneer. Landmarks include Japan's first lens shutter 35mm camera, the "Olympus Wide," which started a boom in wideangle lens cameras, the classic half-frame "Olympus Pen" series, the world's first half-frame single lens reflex camera and, in more recent years, the internationally acclaimed OM cameras and system which still represent the pinnacle of 35mm SLR design. Cameras are now the company's most important product line, accounting for somewhat over half the total sale

In 1951 OLYMPUS launched a revolution that would have enormous repercussions in the world of medicine and in industrial testing. This was the "Olympus Gastrocamera," the world's first, and the first in a comprehensive series of OLYMPUS fiberscopes for medical and industrial diagnosis. OLYMPUS medical fiberscopes are now available for the visual inspection and photography of the stomach, heart, lungs, brain and other parts of the body, often eliminating the need for complicated





# gh Precision."

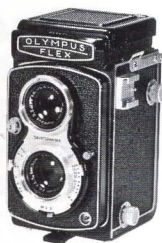
# 10



Six R I — 1954



35 S — 1955



Flex A — 1955



Wide — 1955



Wide E — 1957



Wide S — 1957



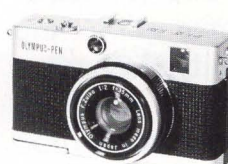
Pen F — 1963



Pen W — 1964



Pen D2 — 1964



Pen EM — 1965



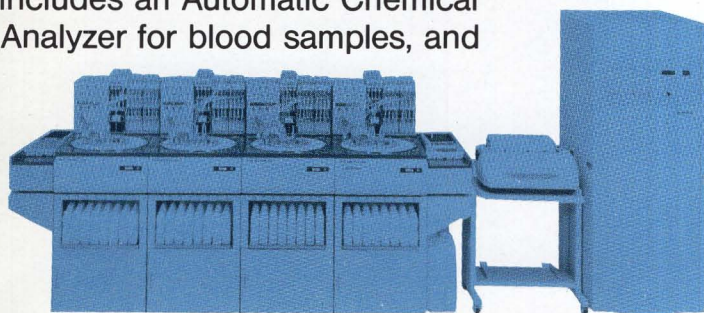
Pen FT — 1966



35 SP — 1969

and possibly dangerous exploratory surgery. They have become standard equipment in hospitals, clinics and medical colleges throughout the world. Industrial fiberscopes are used to examine the interior of jet engines and other complicated machinery, greatly reducing the time and expense of routine maintenance.

The OLYMPUS contribution to medicine also includes an Automatic Chemical Analyzer for blood samples, and



other hospital equipment. Other OLYMPUS measuring instruments of almost unbelievable accuracy, including laser measuring equipment, are in great demand by industry in the manufacture of machine tools, etc.

The Microcassette is another product invented and perfected by OLYMPUS and is currently enjoying a worldwide boom. This tiny recording cassette offers remarkably faithful reproduction of both voice and music, and has been adopted by many manufacturers as the standard for true pocket-size tape recorders. Among these, the OLYMPUS range of

Pearlcorders, including the only modular Microcassette tape recorder system in the world, is proving extremely popular for both business and leisure use. Despite the great diversity of OLYMPUS products, they all share one thing in common. This is the corporate policy of creating products of intrinsic value, that truly benefit mankind.

During 60 years of "Progress through Precision," the OLYMPUS belief that products of true value are also good for business has been vindicated time and again. The sensational popularity of the OM cameras provides eloquent proof.





# The Creation of the

Before 1972, the 35mm single lens reflex camera seemed to be more or less perfect. By the beginning of the 1970s, new models were still appearing, with minor refinements here and there, but the basic form and function of the 35 SLR were, as far as most manufacturers and photographers could see, beyond major improvement.

OLYMPUS thought differently.

The biggest virtues of the 35mm type camera were functionality and maneuverability, and it vastly expanded the scope of professional photography—from the studio to world locations. In many ways, the 35 SLR gave even better performance than rangefinder cameras. But it was also far bigger, heavier and noisier. In fact, 35 SLRs were getting heavier and more unwieldy all the time, as sophisticated new features were incorporated piecemeal into established designs. The result was counter-productive. While systems were growing bigger and more comprehensive, the amount of equipment the photographer could actually hope to carry became smaller.

The OLYMPUS approach was a return to fundamentals: an attempt to recapture the original functionality of the 35mm camera while retaining the more versatile performance of the 35 SLR. It involved a thorough study of 35 SLR function, and a concerted effort to rationalize design in order to pare weight and size, drastically reduce shutter/mirror noise and shock, and improve still further on handling, performance and versatility. The OLYMPUS solution involved a higher order of engineering, using new and better manufacturing techniques, improved materials, superior designs and, above all, a comprehensive insistence on rationality and functionality that embraced not only the camera, but the whole system as well.

The collage consists of several overlapping magazine pages. The top right page is from 'MODERN PHOTOGRAPHY' (February 1978) with the headline 'Too-Hot-to-Handle Camera and Lens Questions Answered'. It features a large photo of a person's face and a smaller photo of a camera. Below the headline are sections like 'Photo Workshop: How to Use Your Shutter Speeds Creatively', 'How Much Light Does Your Lens Lose From Center To the Corners?', 'At Last! Tiny Automatic SLR: Olympus OM-2', 'Go Shoot the Statue of Liberty. Are You Kidding?', and 'PAST WINNERS'. The middle left page is from 'PHOTO DECOUVRE' (February 1978) with the headline '780 possibilités de bien gagner sa vie'. It features a large photo of an Olympus OM-2 camera and a smaller photo of a camera. Below the headline are sections like '100 CAMERAS', '110 CAMERAS COMMERCIALES', '60 CAMERAS ARTISTIQUES', '80 CAMERAS SCIENTIFIQUES', '30 CAMERAS INFORMATIQUES', '60 CAMERAS MONTAGES', and '110 CAMERAS EN BREVET'. The bottom left page is from 'PHOTOSCENE GOES TO PHOTOKINA' (February 1978) with the headline 'the number of exhibitors topped 1,000'. It features a large photo of a camera and a smaller photo of a camera. Below the headline are sections like 'Pentax', 'Konica', and 'Yashir'. The bottom right page is from 'Win Your Dream Camera CAMERA OF THE YEAR 1978' with the headline 'HINTS TO HELP YOU WIN'. It features a large photo of an Olympus OM-2 camera and a smaller photo of a camera. Below the headline are sections like 'selection may be limited', 'Hints to help you win', and 'Yashir'.



# OM System

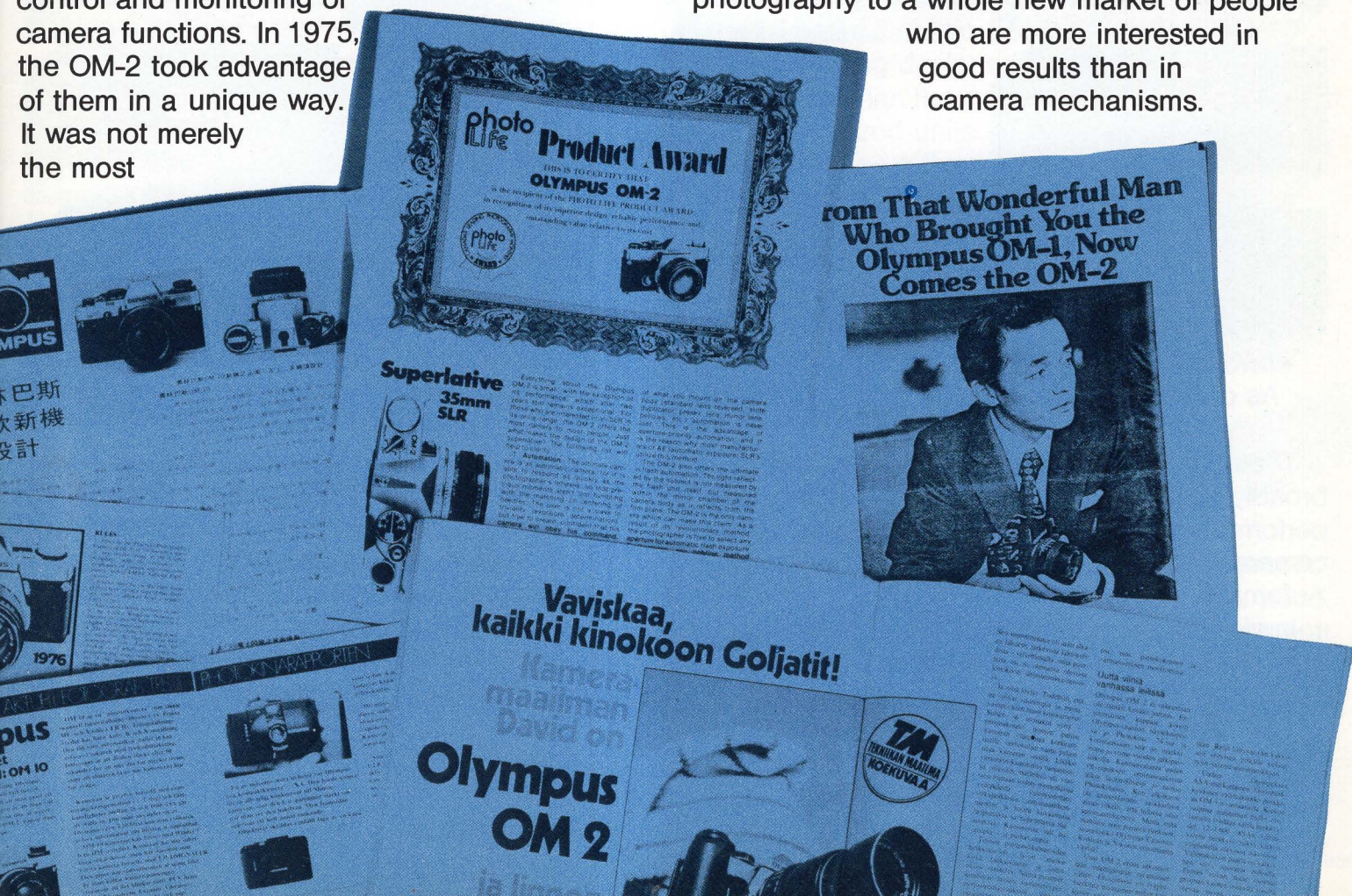
# 12

The correctness of the OLYMPUS approach was amply demonstrated in 1972 when, after five years of research and development, the OM-1 made its appearance. A runaway success with the photographic public, the OM-1 and OM System also had the effect of revitalizing the whole 35 SLR camera industry. Designers rushed back to their drawing boards to bring out a new generation of competitive compact 35 SLRs. Yet none of these newcomers had the thoroughgoing functionality and versatility of the OM-1. The reason is that they were designed not so much to improve performance as to recapture lost markets.

Meanwhile, there was great progress in the electronics industry. The appearance of highly miniaturized, high performance integrated circuits, semiconductors and other components opened up new opportunities for electronic control and monitoring of camera functions. In 1975, the OM-2 took advantage of them in a unique way. It was not merely the most

sophisticated electronic shutter camera in terms of control functions; it also pioneered the most advanced light measuring system yet devised, the only one that works in real time while the camera is actually taking the picture. Yet, proving once again OLYMPUS' dedication to functionality, the OM-2 also has full manual capability and full interchangeability with every unit of the extensive OM System.

By 1978 the electronics revolution had achieved still more remarkable developments, both in capability and in cost performance. The use of electronic monitoring devices on the production line and the adoption of a high capacity electronic circuit in the camera made the new OM-10 both outstandingly simple and foolproof to operate, and extremely economical in cost. Thus ideally suited to the beginning photographer, it opens up high quality 35 SLR photography to a whole new market of people who are more interested in good results than in camera mechanisms.





# 13 The 35 SLR M

## OLYMPUS OM Cameras C

	Full Exposure Control/ Automatic	Full Exposure Control	Automatic
OLYMPUS	OM-2	OM-1	OM-10
Minolta	XD		XG
Canon	A-1	(AT-1)*	AE-1 AV-1
Pentax		MX	ME
Nikon	FE	FM	(EM)*

As of March 1979

\*The Canon AT-1, and Nikon EM available only in certain markets.

The market for 35 SLR cameras can be broadly classified into three zones: high performance Full Exposure Control/Automatic cameras; Full Exposure Control cameras, and Automatic cameras.

In view of the great recent progress in electronics technology, and the fast growing acceptance of advanced automatic exposure control even by professionals, high performance

Full Exposure Control/Automatic cameras are rapidly taking the lead in the professional and serious amateur market over the traditional manual, mechanical shutter types. This trend is naturally encouraged by the appearance, in the wake of the OM-2, of compact Full Exposure Control/Automatic cameras with top-of-the-line features and system versatility.



# Market over All Three Zones

# 14

Full Exposure Control cameras, once the exclusive choice of professionals, still retain strong support among purists. They also serve a useful function as back-up cameras for professionals, etc., especially for assignments in extreme conditions where battery failure can be an undeniable problem, or in remote areas where battery replacement can cause difficulties. Another important segment of the market for compact cameras is the cost-conscious buyer who is either unable to afford an electronic shutter camera, or prefers to spend the same money for extra quality rather than a less expensive automatic type.

Although the OM-1 features exactly the same quality and system versatility as the Full Exposure Control/Automatic OM-2, there are now many Full Exposure Control cameras that sacrifice performance and versatility to price competitiveness, and are therefore inferior.

Automatic cameras represented the most significant overall change in the 35 SLR market, in effect opening it up to a new segment of the camera buying public. They are particularly attractive to those who find professional cameras too expensive and/or too complicated. Younger photographers are fascinated by their electronic functions and LED finder displays. Casual photographers are attracted by the extra performance and versatility of the 35 SLR, but were previously daunted by its heaviness, complicatedness and high cost. In many cases these Auto cameras represent a grade-up from simple rangefinder or other 35mm or pocket cameras. They are also often the first camera of the aspiring but inexperienced new photographer.

It should be noted that while several cameras in this Automatic category also have manual shutter settings, their principal selling point is in fact their simple automatic operation.

Naturally, although each of these categories has its own special market appeal, there is a considerable degree of overlap. In other words, many of the features of the 35 SLR appeal to

all market segments. In addition, there is a strong possibility of the owner of a camera in one of the three zones described, later investing in a camera from one of the other zones. There are therefore many reasons why standardization of the functions and systems of cameras in each of the zones makes sound sense.

Similarly, this factor makes it a major advantage for a maker to be represented in all three zones.

OLYMPUS is the first of Japan's "Big Five" camera makers to have a camera in each zone generally available throughout the world. Its OM series of cameras is also remarkable for the outstanding degree of interchangeability among system units. In fact there is no duplication of incompatible systems at all. The OM-1 and OM-2 feature complete interchangeability with every unit of the OM System. The OM-10 being designed for the average amateur rather than the professional does not accept specialized units such as the Motor Drive 1, etc., and has a fixed focusing screen. However, it is fully compatible with the great majority of OM System units, including the fast Winder 1, all OM System lenses, macrophoto units, etc. and, except for the special Manual Adapter, does not use any equipment outside the OM System.

The OM cameras and system thus provide the following benefits:

1. Complete coverage of the 35 SLR market.
2. Guaranteed brand loyalty among customers buying a second camera. (No need for duplication of equipment)
3. Maximum rationalization of stock and warehousing.
4. Efficient servicing.
5. High cost competitiveness.
6. Quality and Reliability inherent in the OLYMPUS Name.

Full Exposure Control

Automatic

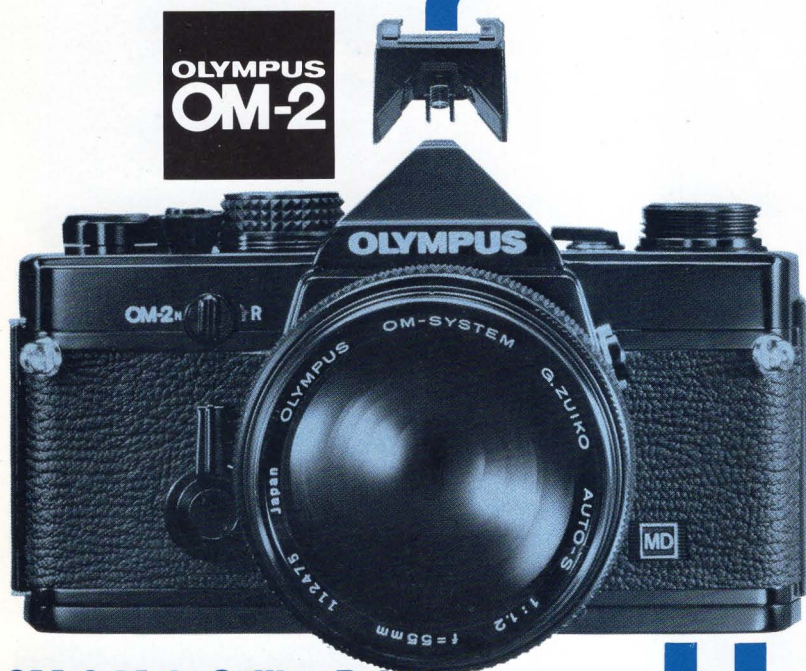
High Performance Full Exposure Control/Automatic



15

# The Market Appeals of

There is an OLYMPUS OM camera ideally suited for every 35 SLR user. Use this guide to make sure they get the right one.



**OLYMPUS  
OM-2**

## OM-2 Main Selling Points

- Compact, lightweight, smooth and quiet
- Centralized Control System with TTL Direct (off-the-film) Light Measuring
- Fully automatic Centralized Control Flash
- Ultra long exposure capability to 120 sec.
- 5-frame-per-second Motor Drive or 3FPS Winder
- Full Auto or Manual operation
- Big, bright finder with full flash indications
- Wide selection 33 of impeccably sharp, compact lenses
- 14 interchangeable focusing screens
- Superbly comprehensive system with over 300 units for excellent handling and performance in all conditions
- Outstandingly tough and reliable

## OM-2 Main Market Appeal

Professionals and advanced amateurs requiring incomparable performance, versatility, handling, portability and ruggedness. Especially attractive for fast action photography, versatile flash effects, accurate exposures in macrophotography, available light photography, etc.



**OLYMPUS  
OM-1**

## OM-1 Main Selling Points

- Compact, lightweight, smooth and quiet
- 5-frame-per-second Motor Drive or 3FPS Winder
- Big, bright finder with full flash indications
- Wide selection of 33 impeccably sharp, compact lenses
- 14 interchangeable focusing screens
- Superbly comprehensive system of over 300 units for excellent handling and performance in all conditions
- Extremely simple, positive Manual operation
- High precision 'feel'
- Outstandingly tough and reliable



# the OM-2, OM-1 and OM-10

# 16



**OLYMPUS**  
**om10**

## OM-10 Main Selling Points

- Failsafe electronic performance
- Superbly simple, foolproof operation

- The world's lightest 35 SLR
- Extremely compact

- TTL Direct (off-the-film) Light Measuring
- The world's first audio/visual indicator system
- Motorized film advance with the Winder 1,3 frame-per-sec.
- Simple, accurate flash operation with Olympus T20
- Big, bright finder with LED displays including full flash indications
- Wide selection of 33 impeccably sharp, compact lenses
- Acceptance of the superbly comprehensive OM System
- Elegant styling and high precision 'feel'
- Optional Manual Adapter

## OM-10 Main Market Appeal

Amateurs requiring system 35 SLR versatility and performance with foolproof operation and assured results. Casual photographers (already owning compact 35mm or pocket cameras) wanting the versatility and performance of a 35 SLR without complicated controls. Newcomers to photography, including young photographers.

## OM-1 Main Market Appeal

Professional and amateur 'purists' who wish to retain full exposure control during the picture making process. Travelers and explorers requiring outstanding ruggedness and the extra security of a mechanical shutter. Landscape and portrait photographers. Amateurs requiring the utmost in quality and system versatility at the lowest possible cost.



# Quick Comparison Chart.

## FULL EXPOSURE CONTROL/AUTOMATIC CAMERAS

OLYMPUS OM-2			CANON A-1
Auto Flash	Electronic flash Unit	T20 (covers 35mm lens angle)	199A (covers 35mm lens angle)
	TTL flash light measuring	Yes.	No
	Matching of flash measuring angle with taking lens angle	Yes. Identical	No Fixed
	Automatic X synchronization	Yes. During flash charging	Yes. During flash charging
	Automatic flash initiation	TTL Auto flash at shutter speeds of 1/60 sec. or less, determined by subject brightness. Centralized Control System cuts out flash at speeds over 1/60 sec., for flashless auto exposures.	No Flash fires at 1/60 sec., X synchro, regardless of subject brightness.
	Full flash charge shown in viewfinder	Yes. LED lights	Yes. Digital F sign
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers	No
	Film speed setting on flash unit	Yes. Auto	No Set by hand
	Available apertures	Yes. All apertures of taking lens	No F2.8, F5.6, F11 only (ASA100)
	Simplicity of flash operation	Just fit the flash to the accessory shoe, and everything else is automatic. • When the flash is charged, it delivers the correct light automatically in TTL Auto mode. • When flash is not sufficiently charged camera makes correct automatic exposures. • Switching camera to "MANUAL" automatically switches flash to manual (GN20,m or GN66, ft at ASA100).	Manual flash setting according to subject. No TTL system for auto flash, and limited range of operation.

## FULL EXPOSURE CONTROL CAMERAS

OLYMPUS OM-1			CANON AT-1
Finder	Finder magnification (+50mm lens)	0.92X	0.82X
	Finder view-field	97%	93.5×96.3%
	Interchangeable screens	14 types. Changed through lens mount.	Fixed
Flash	Automatic X synchronization	Yes. Auto X at hot shoe, X or FP at synchro socket	X synchro only
	Full flash charge shown in viewfinder	Yes. LED lights.	No
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers.	No

## AUTOMATIC CAMERAS

OLYMPUS OM-10			CANON AE-1*, AV-1
Auto exposure system		TTL Direct (OTF) Light Measuring with real time accuracy, EV -0.5-17 (ASA100, from F1.2, 2 sec. to F16, 1/1000 sec.)	Memory device, EV1-18 (ASA100 with F1.4)
Flash	Full flash charge shown in viewfinder	LED lights.	No
	Correct flash exposure confirmed in viewfinder	LED flickers.	No
	Automatic X synchro.	Hot shoe synchronized for electronic flash	Yes.
	Automatic shutter speed setting	Shutter speed automatically set to 1/60 sec. for flash	Shutter speed automatically set to 1/60 sec. for flash



# OM Camera Performance Point by Point.

# 18

CANON A-1		OLYMPUS OM-2		
Motor Drive MA Max. speed 5 frames/sec.		Motor Drive 1 Max. speed 5 frames/sec.	Available motor drive	Auto Motor Drive
Power Winder A Max. speed 2 frames/sec.		Winder 1 Max. speed 3 frames/sec.	Available winder	
During single frame operation, finger must be removed from release before film can be advanced. During long exposures motor drive advances before completion of exposure.		Film is advanced ready for next shot just by pressing release button	Film advance system	
Memorized shutter speed remains unchanged throughout motor drive sequence.		Exactly correct exposure for each frame.	Compensation for changing light values	
EV -3 to +18		EV -6.5 to +18	Auto exposure range (ASA100, F1.2)	Auto long exposures
12 sec.		120 sec.	Max. auto exposure (ASA100, F1.2)	
Max. auto exposure only 30 sec.		Auto exposures at all apertures of the taking lens up to 120 sec.	Auto exposures with bellows	Auto ultra-close-up
Stop-down AE only		Yes.	Auto exposures	Auto Photomicro-ography
No		Yes. Full auto even with clear screens	Photomicro screens	
Distortion. Eyepiece shutter must be closed manually.		No effect	Stray light through finder	Auto remote control photography

CANON AT-1		OLYMPUS OM-1		
No		Motor Drive 1 Max speed 5 frames/sec.	Available motor drive	Motor drive
Max speed 2 frames/sec.		Winder 1 Max speed 3 frames/sec.	Available winder	
In SINGLE mode, shutter button must be released before film is advanced.		Film is advanced ready for next shot just by pressing release button	Film advance system	
Difficult		Full system including 4 macro lenses, etc.	Macrophotography	
Adapter available, but difficult		Full photomicro system	Photomicrography	
No		Yes.	Astrophotography	
141×87×47.5mm (5.55"×3.42"×1.87") 590g (20.8 oz)/895g (31.6 oz)		136×83×50mm (5.35"×3.27"×1.97") 510g (18.0 oz)/740g (26.1 oz)	Dimensions and Weights (body only)/+1.4 lens	

\*Shutterspeed-priority automatic control

CANON AE-1*, AV-1		OLYMPUS OM-10		
Power Winder-A Max. speed 2 frames/sec.		Winder 1 Max speed 3 frames/sec.	Available winder	Motor drive
No		Yes. Light measured individually for each frame.	Compensation for changing light values	
No		Winder 1 accepts wired or wireless remote control. Correct auto exposures without need for eyepiece shutter	Auto remote control	
Flashing LED		Full audio-visual indicator with LED/PCV*	Self timer indication	
LED indicator		Full audio-visual indicator with LED/PCV*	Battery check indication	
Finder display shown only when shutter button pressed		Auto display switch-off after 90 secs.	Power saving system	

\*Piezoelectric Ceramic Vibrator



## FULL EXPOSURE CONTROL/AUTOMATIC CAMERAS

OLYMPUS OM-2			Not available
Auto Flash	Electronic flash Unit	T20 (covers 35mm lens angle)	
	TTL flash light measuring	Yes.	
	Matching of flash measuring angle with taking lens angle	Yes. Identical	
	Automatic X synchronization	Yes. During flash charging	
	Automatic flash initiation	TTL Auto flash at shutter speeds of 1/60 sec. or less, determined by subject brightness. Centralized Control System cuts out flash at speeds over 1/60 sec., for flashless auto exposures.	
	Full flash charge shown in viewfinder	Yes. LED lights	
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers	
	Film speed setting on flash unit	Yes. Auto	
	Available apertures	Yes. All apertures of taking lens	
	Simplicity of flash operation	Just fit the flash to the accessory shoe, and everything else is automatic. • When the flash is charged, it delivers the correct light automatically in TTL Auto mode. • When flash is not sufficiently charged camera makes correct automatic exposures. • Switching camera to "MANUAL" automatically switches flash to manual (GN20,m or GN66, ft at ASA100).	

## FULL EXPOSURE CONTROL CAMERAS

OLYMPUS OM-1			PENTAX MX
Finder	Finder magnification (+50mm lens)	0.92X	0.97X
	Finder view-field	97%	95%
	Interchangeable screens	14 types. Changed through lens mount.	8 types. Changed through lens mount.
Flash	Automatic X synchronization	Yes. Auto X at hot shoe, X or FP at synchro socket	No
	Full flash charge shown in viewfinder	Yes. LED lights.	No
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers.	No

## AUTOMATIC CAMERAS

OLYMPUS OM-10			PENTAX ME
Auto exposure system		TTL Direct (OTF) Light Measuring with real time accuracy, EV -0.5-17 (ASA100, from F1.2, 2 sec. to F16, 1/1000 sec.)	Memory device, EV1-19 (ASA100 with F1.4)
Flash	Full flash charge shown in viewfinder	LED lights.	No
	Correct flash exposure confirmed in viewfinder	LED flickers.	No
	Automatic X synchro.	Hot shoe synchronized for electronic flash	X synchro, only
	Automatic shutter speed setting	Shutter speed automatically set to 1/60 sec. for flash	No



# OM Camera Performance Point by Point.

# 18

	OLYMPUS OM-2		
Motor Drive 1 Max. speed 5 frames/sec.	Available motor drive	Auto Motor Drive	
Winder 1 Max. speed 3 frames/sec.	Available winder		
Film is advanced ready for next shot just by pressing release button	Film advance system		
Exactly correct exposure for each frame.	Compensation for changing light values		
EV -6.5 to +18	Auto exposure range (ASA100, F1.2)	Auto long exposures	
120 sec.	Max. auto exposure (ASA100, F1.2)		
Auto exposures at all apertures of the taking lens up to 120 sec.	Auto exposures with bellows	Auto ultra close-up	Auto Photomicro
Yes.	Auto exposures	Auto ultra close-up	
Yes. Full auto even with clear screens	Photomicro screens		Auto remote control photography
No effect	Stray light through finder		

PENTAX MX	OLYMPUS OM-1		
Motor Drive MX Max speed 5 frames/sec.	Motor Drive 1 Max speed 5 frames/sec.	Available motor drive	Motor drive
Winder MX Max speed 2 frames/sec.	Winder 1 Max speed 3 frames/sec.	Available winder	
In SINGLE mode, shutter button must be released before film is advanced.	Film is advanced ready for next shot just by pressing release button	Film advance system	
System. Illuminators not available.	Full system including 4 macro lenses, etc.	Macrophotography	Photomicrography
Yes. Adapter available.	Full photomicro system	Photomicrography	
No	Yes.	Astrophotography	
135.5×82.5×49.5mm (5.33"×3.25"×1.95") 495g (17.5 oz)/735g (25.9 oz)	136×83×50mm (5.35"×3.27"×1.97") 510g (18.0 oz)/740g (26.1 oz)	Dimensions and Weights (body only)/+1.4 lens	

PENTAX ME	OLYMPUS OM-10		
Winder ME Max. speed 1.5 frames/sec.	Winder 1 Max speed 3 frames/sec.	Available winder	Motor drive
No	Yes. Light measured individually for each frame.	Compensation for changing light values	
No	Winder 1 accepts wired or wireless remote control. Correct auto exposures without need for eyepiece shutter	Auto remote control	
No	Full audio-visual indicator with LED/PCV *	Self timer indication	
LED indicator	Full audio-visual indicator with LED/PCV *	Battery check indication	
Low consumption circuits	Auto display switch-off after 90 secs.	Power saving system	

\*Piezoelectric Ceramic Vibrator



## FULL EXPOSURE CONTROL/AUTOMATIC CAMERAS

OLYMPUS OM-2			NIKON FE
Auto Flash	Electronic flash Unit	T20 (covers 35mm lens angle)	SB-10 (covers 35mm lens angle)
	TTL flash light measuring	Yes.	No
	Matching of flash measuring angle with taking lens angle	Yes. Identical	No Fixed
	Automatic X synchronization	Yes. During flash charging	Yes. During flash charging
	Automatic flash initiation	TTL Auto flash at shutter speeds of 1/60 sec. or less, determined by subject brightness. Centralized Control System cuts out flash at speeds over 1/60 sec., for flashless auto exposures.	No Flash fires at 1/90 sec., X synchro, regardless of subject brightness.
	Full flash charge shown in viewfinder	Yes. LED lights	Yes. LED lights.
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers	No
	Film speed setting on flash unit	Yes. Auto	No Set by hand
	Available apertures	Yes. All apertures of taking lens	No F4, F8 only (ASA100)
	Simplicity of flash operation	Just fit the flash to the accessory shoe, and everything else is automatic. • When the flash is charged, it delivers the correct light automatically in TTL Auto mode. • When flash is not sufficiently charged camera makes correct automatic exposures. • Switching camera to "MANUAL" automatically switches flash to manual (GN20,m or GN66, ft at ASA100).	Manual flash setting according to subject. No TTL system for auto flash, and limited range of operation.

## FULL EXPOSURE CONTROL CAMERAS

OLYMPUS OM-1			NIKON FM
Finder	Finder magnification (+50mm lens)	0.92X	0.86X
	Finder view-field	97%	93%
	Interchangeable screens	14 types. Changed through lens mount.	Fixed
Flash	Automatic X synchronization	Yes. Auto X at hot shoe, X or FP at synchro socket	X synchro only
	Full flash charge shown in viewfinder	Yes. LED lights.	No
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers.	No

## AUTOMATIC CAMERAS

OLYMPUS OM-10			NIKON EM
Auto exposure system		TTL Direct (OTF) Light Measuring with real time accuracy, EV -0.5-17 (ASA100, from F1.2, 2 sec. to F16, 1/1000 sec.)	Memory device, EV2-18 (ASA 100 with F1.8)
Flash	Full flash charge shown in viewfinder	LED lights.	LED lights.
	Correct flash exposure confirmed in viewfinder	LED flickers.	No
	Automatic X synchro.	Hot shoe synchronized for electronic flash	Yes.
	Automatic shutter speed setting	Shutter speed automatically set to 1/60 sec. for flash	Shutter speed automatically set to 1/90 sec. for flash.



# OM Camera Performance Point by Point.

# 18

NIKON FE	OLYMPUS OM-2			
Motor Drive MD 11 Max. speed 3.5 frames/sec.	Motor Drive 1 Max. speed 5 frames/sec.	Available motor drive	Auto Motor Drive	
Not available	Winder 1 Max. speed 3 frames/sec.	Available winder		
During single frame operation, finger must be removed from release before film can be advanced.	Film is advanced ready for next shot just by pressing release button	Film advance system		
Memorized shutter speed remains unchanged throughout motor drive sequence.	Exactly correct exposure for each frame.	Compensation for changing light values		
EV +0.5 to +18	EV -6.5 to +18	Auto exposure range (ASA100, F1.2)	Auto long exposures	
1/1.5 sec.	120 sec.	Max. auto exposure (ASA100, F1.2)		
No	Auto exposures at all apertures of the taking lens up to 120 sec.	Auto exposures with bellows	Auto ultra close-up	
No	Yes.	Auto exposures	Auto photomicrography	
No	Yes. Full auto even with clear screens	Photomicro screens		
No Distortion makes remote control photography impossible.	No effect	Stray light through finder	Auto remote control photography	

NIKON FM	OLYMPUS OM-1			
Max speed 3.5 frames/sec.	Motor Drive 1 Max speed 5 frames/sec.	Available motor drive	Motor drive	
No	Winder 1 Max speed 3 frames/sec.	Available winder		
In SINGLE mode, shutter button must be released before film is advanced	Film is advanced ready for next shot just by pressing release button	Film advance system		
System. Illuminators not available.	Full system including 4 macro lenses, etc.	Macrophotography		
Yes. Adapter available.	Full photomicro system	Photomicrography		
Yes	Yes.	Astrophotography		
142×89.5×60.5mm (5.59"×3.52"×2.38") 590g (20.8 oz)/845g (29.8 oz)	136×83×50mm (5.35"×3.27"×1.97") 510g (18.0 oz)/740g (26.1 oz)	Dimensions and Weights (body only)/+1.4 lens		

NIKON EM		OLYMPUS OM-10		
Motor Drive MD-E Max speed 2 frames/sec.	Winder 1 Max speed 3 frames/sec.	Available winder	Motor drive	
No	Yes.Light measured individually for each frame.	Compensation for changing light values		
No	Winder 1 accepts wired or wireless remote control. Correct auto exposures without need for eyepiece shutter	Auto remote control		
No	Full audio-visual indicator with LED/PCV *	Self timer indication		
LED indicator	Full audio-visual indicator with LED/PCV *	Battery check indication		
Auto meter switch-off after 30 secs.	Auto display switch-off after 90 secs.	Power saving system		

\*Piezoelectric Ceramic Vibrator



# Quick Comparison Chart.

## FULL EXPOSURE CONTROL/AUTOMATIC CAMERAS

OLYMPUS OM-2			MINOLTA XD
Auto Flash	Electronic flash Unit	T20 (covers 35mm lens angle)	200X (covers 35mm lens angle)
	TTL flash light measuring	Yes.	No
	Matching of flash measuring angle with taking lens angle	Yes. Identical	No Fixed
	Automatic X synchronization	Yes. During flash charging	Yes. During flash charging
	Automatic flash initiation	TTL Auto flash at shutter speeds of 1/60 sec. or less, determined by subject brightness. Centralized Control System cuts out flash at speeds over 1/60 sec., for flashless auto exposures.	No Flash fires at 1/100 sec. or slower, X synchro, regardless of subject brightness.
	Full flash charge shown in viewfinder	Yes. LED lights	Yes. LED lights
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers	No
	Film speed setting on flash unit	Yes. Auto	No Set by hand
	Available apertures	Yes. All apertures of taking lens	No F2.8, F5.6 only (ASA100)
	Simplicity of flash operation	Just fit the flash to the accessory shoe, and everything else is automatic. • When the flash is charged, it delivers the correct light automatically in TTL Auto mode. • When flash is not sufficiently charged camera makes correct automatic exposures. • Switching camera to "MANUAL" automatically switches flash to manual (GN20,m or GN66, ft at ASA100).	Manual flash setting according to subject. No TTL system for auto flash, and limited range of operation.

## FULL EXPOSURE CONTROL CAMERAS

OLYMPUS OM-1			Not available
Finder	Finder magnification (+50mm lens)	0.92X	
	Finder view-field	97%	
	Interchangeable screens	14 types. Changed through lens mount.	
Flash	Automatic X synchronization	Yes. Auto X at hot shoe, X or FP at synchro socket	
	Full flash charge shown in viewfinder	Yes. LED lights.	
	Correct flash exposure confirmed in viewfinder	Yes. LED flickers.	

## AUTOMATIC CAMERAS

OLYMPUS OM-10			MINOLTA XG
Auto exposure system		TTL Direct (OTF) Light Measuring with real time accuracy, EV -0.5-17 (ASA100, from F1.2, 2 sec. to F16, 1/1000 sec.)	Memory device, EV2-17 (ASA100 with F1.4)
Flash	Full flash charge shown in viewfinder	LED lights.	LED lights
	Correct flash exposure confirmed in viewfinder	LED flickers.	No
	Automatic X synchro.	Hot shoe synchronized for electronic flash	Yes.
	Automatic shutter speed setting	Shutter speed automatically set to 1/60 sec. for flash	Shutter speed automatically set to 1/60 sec. for flash



# OM Camera Performance Point by Point.

# 18

MINOLTA XD	OLYMPUS OM-2		
Not available	Motor Drive 1 Max. speed 5 frames/sec.	Available motor drive	Auto Motor Drive
Auto Winder D Max. speed 2 frames/sec.	Winder 1 Max. speed 3 frames/sec.	Available winder	
During single frame operation, finger must be removed from release before film can be advanced.	Film is advanced ready for next shot just by pressing release button	Film advance system	
Memorized shutter speed remains unchanged throughout motor drive sequence.	Exactly correct exposure for each frame.	Compensation for changing light values	
EV +0.5 to +18	EV -6.5 to +18	Auto exposure range (ASA100, F1.2)	Auto long exposures
1/1.5 sec.	120 sec.	Max. auto exposure (ASA100, F1.2)	
Auto does not work at light values below EV 1	Auto exposures at all apertures of the taking lens up to 120 sec.	Auto exposures with bellows	Auto ultra-close-up
Yes. Aperture priority AE	Yes.	Auto exposures	Auto Photomicro- graphy
No	Yes. Full auto even with clear screens	Photomicro screens	
Distortion. Eyepiece shutter must be closed manually.	No effect	Stray light through finder	Auto remote control photography

	OLYMPUS OM-1		
	Motor Drive 1 Max speed 5 frames/sec.	Available motor drive	Motor drive
	Winder 1 Max speed 3 frames/sec.	Available winder	
	Film is advanced ready for next shot just by pressing release button	Film advance system	
	Full system including 4 macro lenses, etc.	Macrophotography	
	Full photomicro system	Photomicrography	
	Yes.	Astrophotography	
	136×83×50mm (5.35"×3.27"×1.97") 510g (18.0 oz)/740g (26.1 oz)	Dimensions and Weights (body only)/+1.4 lens	

MINOLTA XG	OLYMPUS OM-10		
Auto Winder G Max. speed 2 frames/sec.	Winder 1 Max speed 3 frames/sec.	Available winder	Motor drive
No	Yes. Light measured individually for each frame.	Compensation for changing light values	
No	Winder 1 accepts wired or wireless remote control. Correct auto exposures without need for eyepiece shutter	Auto remote control	
Flashing LED	Full audio-visual indicator with LED/PCV *	Self timer indication	
LED indicator	Full audio-visual indicator with LED/PCV *	Battery check indication	
Finder display lights when sensor switch touched.	Auto display switch-off after 90 secs.	Power saving system	

\*Piezoelectric Ceramic Vibrator



# 19 The Incomparably Versatile OM System

## Motor Drive Group

A complete motor drive system based on the 5-frame-per-second Motor Drive 1 and the 3-frame-per-second Winder 1. Includes a selection of control units, bulk film back, etc. The basic units are fantastically compact and lightweight.



## Lens Group

The OM Zuiko Interchangeable Lens Group contains over 30 lenses from fisheyes to 1000mm super telephoto. They include a shift lens, several zooms and a unique series of four macro lenses providing state of the art performance from infinity to 16.5x magnifications. All the lenses are characterized by superb resolution. They also feature unusual compactness, brightness, close focusing, etc. They're exceptionally quick and easy to change.

The goal of the OM System is to allow photography of any kind of subject in any conceivable situation. Its hallmarks are impeccable performance, remarkable compactness, superb speed, easy

## Case Group

A selection of hard and soft camera cases, compartment cases, lens pouches, carrying straps, etc.

## Finder Group

Includes 14 interchangeable focusing screens changed fast and simply through the camera's mirror box, a full range of dioptic correction lenses, the unique Varimagi Finder, etc.



# Flash Group

Extremely versatile performance and simple operation, especially with the OM-2's Centralized Control Flash system which makes Auto Flash fully automatic for the first time in the world. All present OM cameras (OM-2N, OM-1N, OM-10) indicate full flash charge and correct flash exposure in the viewfinder, a unique feature.

handling and comprehensiveness. The eight groups of the OM System cover every aspect of photography, from maximum viewfinder clarity to maximum scope and speed of response.

# Macrophoto Group

Unrivalled in range, extending from close-up lenses and extension tubes to Auto Bellows, stands, a selection of highly sophisticated lighting units, etc.

# Photomicro Group

Takes full advantage of OLYMPUS' experience in microscope manufacture to provide every kind of equipment for creative and scientific photomicrography.

# Photo-technical Group

Stretches photographic capability to the limits of the imagination, including endoscopy, or photography inside the human body, astrophotography, etc. Also contains the Recordata Back for imprinting data directly onto the photograph.



# 210M-2 Develo



The OM-2 takes the functionality concept of the OM-1 a big step further. The design philosophy was the same — to create a camera

able to photograph any kind of subject in any circumstances — but sophisticated electronics make the OM-2 still more responsive in terms of accuracy, speed of response and ease of handling. In the OM-2, automatic exposure control greatly expands the range of subjects the photographer can approach.

Because the OM designers integrated automatic exposure setting into overall functionality, the OM-2 is much more than just an 'auto' version of the OM-1. The automatic function of the OM-2 gives the photographer greater command over a greater range of subjects and makes a truly valuable contribution to the art of photography. The OM-2 was the first automatic 35mm SLR to thus creatively exploit the merits of automatic exposure, and its appearance marked the coming of age of electronic shutter 35mm SLRs.



Computer-generated random digital pattern.

## Centralized Control System

Two features make the electronic controls of the OM-2 unique. The first is a Centralized Control System that covers not only the functions of the camera itself, but extends to the whole OM System. (For details, see the following pages.) The second unique feature is TTL Direct (OTF) Light Measuring which makes the Centralized Control System possible.

A further unique feature of the OM-2 is basic to the OM design philosophy. This is its

complete interchangeability with the whole OM System: it uses exactly the same lenses, focusing screens, motor drive and winder units, flash, macrophoto and other equipment as the OM-1. Apart from the obvious advantages to the photographer, this greatly benefits the dealer too. It is an important selling point, it minimizes stock requirements and it avoids confusion in explaining the system to customers.

## TTL Direct (off-the-film) Light Measuring

This brilliant advance in light measuring systems is exclusive to the OM-2 and the OM-10. Theoretically and in practice, it is the ideal method of reading the light that reaches the film, accurately and instantly.

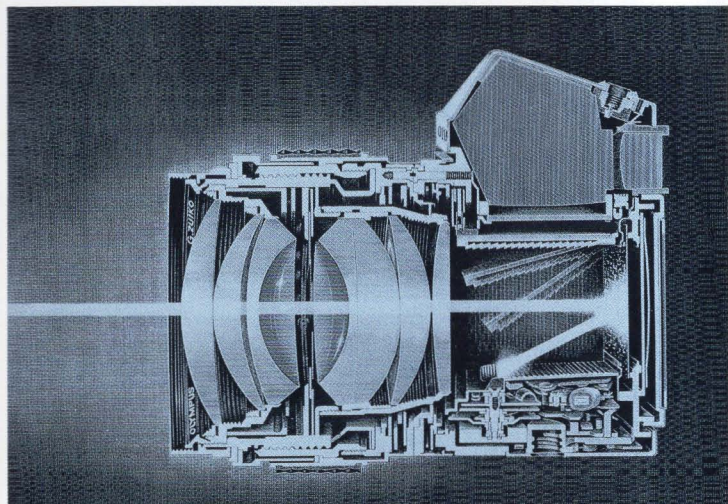
The secret of TTL Direct (OTF) Light Measuring lies in the position of the light sensing cells, which are in the front of the camera body, facing back toward the film. They operate only after the shutter release button is pressed and the mirror rises. Then they read light directly off the film itself, or the shutter curtain, obtaining an absolutely undistorted value for the light

intensity. When enough light has reached the film they signal directly, on real time, to the electronic brain which then activates the shutter closing mechanism.

In contrast, traditional light sensors are located in the viewfinder section of the camera. When the mirror rises to allow light to reach the film, they are cut off. For this reason every other automatic SLR has to make use of a memory device which remembers the light value before the mirror is raised and determines the exposure accordingly. They cannot compensate for changes in the light value after the mirror



has been raised and they give an intrinsically less accurate reading because the light path to the sensors is more complicated and interrupted.



In addition to its two ultra fast and sensitive SBC (Silicon Blue Cell) TTL Direct (OTF) Light Measuring sensors, the OM-2 has two conventional light sensors to give a light reading for manual operation and an indication of the approximate exposure during auto operation.

The TTL Direct (OTF) Light Measuring method of the OM-2 has six exclusive advantages over the light measuring method of conventional automatic 35SLRs.

These are:

**1** The TTL Direct(OTF)Light Measuring sensors read the light reaching the film during the exposure. They can therefore monitor changes in light intensity and feed back the information on real time to the shutter control mechanism.

**2** The SBC sensors are so fast they can monitor electronic flash light, through the lens, and tell the electronic brain when to cut off the flash emission directly via an electrical contact.

**3** Because TTL Direct (OTF) Light Measuring works on real time (Time Lag Zero), the OM-2 gives individually correct exposures for every frame, even during five-frame-per-second motor drive operation.

**4** TTL Direct (OTF) Light Measuring is much more sensitive than any other system. The OM-2 can make accurate automatic exposures for as long as 120 seconds, sufficient even for shooting by starlight.

**5** During self-timer or remote control photography, conventional auto SLRs suffer exposure errors caused by stray light entering through the camera eyepiece. This cannot happen with TTL Direct (OTF) Light Measuring, because the eyepiece is blocked off by the upraised mirror.

**6** Results are completely accurate whatever type of interchangeable focusing screen is used. Conventional auto SLRs cannot give correct exposures when clear type focusing screens, etc. are fitted.

In addition TTL Direct (OTF) Light Measuring gives completely accurate exposures even if the indicated lens aperture value is incorrect, or if trouble develops in the aperture setting mechanism. As professionals know, even the best lenses are susceptible to this form of distortion, which can cause seriously under- or over-exposed pictures.

The reason TTL Direct (OTF) Light Measuring is always completely accurate is that it operates on real time, and that it operates at the one essential point — the point where the light actually hits the film — that remains unaffected by outside considerations. Because of TTL Direct (OTF) Light Measuring, the OM-2 can assure fully automatic control for all kinds of photography, in all conditions, whatever system units are attached.

This makes the OM-2 entirely unique, and by far the most advanced electronic shutter 35SLR available anywhere.



# 23 OM-2 The Camera That Gives

The Centralized Control System of the OM-2 guarantees the same error-free exposure accuracy for every mode of photography in every kind of situation. It makes automatic exposures as easy as possible; letting the photographer give his full attention to creativity.

No other camera can offer:

## **Completely Automatic Flash:**

- Just slip the flash in the hot shoe and switch ON. There's no need for aperture settings, ASA settings . . . Or anything else. With TTL Auto Flash, everything is controlled directly by the OM-2's electronic brain.
- For the first time ever, full flash charge and correct flash exposure are indicated in the camera viewfinder as well as on the T20 flash unit.
- Even professional flash techniques such as diffused lighting are just as easy and accurate.

## **Automatic Motor Drive:**

- Every frame is exposed individually, even during five-frame-per-second high speed sequences, thanks to the OM-2's Time Lag Zero TTL Direct (OTF) Light Measuring.

## **Automatic Long Exposures:**

- TTL Direct (OTF) Light Measuring is so sensitive, it can give accurate available light exposures automatically as long as 120 seconds. Cameras that rely on memory devices offer only a fraction of this performance.

## **Automatic Ultra Close-Ups:**

- Using macrophoto equipment such as the Auto Bellows does not affect the OM-2. It gives the same accurate exposures automatically, whatever the equipment used, and whatever the subject distance.



# Centralized Control System Total Mode Automation

# 24

## Automatic Photomicrography:

- In this difficult field too, the OM-2 makes the correct exposure automatically. There's no need to calculate magnification factors, transmitted light intensity, etc.

Except for its automatic exposure capability, the OM-2 has the same performance as the OM-1. This is fully explained in the 'OM-1 Design Concept' (P. 31-32) and 'OM-1 Top Selling Points' (P. 33-34).

## Automatic Astrophotography:

- Even when used with astronomical telescopes, etc., the OM-2 still gets the exposures right automatically.

## Automatic Special Effects:

- Even for pin-hole photography, multi exposures with a revolving screen or other exotic effects, one thing you never need worry about is complete, automatic exposure accuracy.



## Automatic Remote Control Photography:

- There's no fear of stray light from the eyepiece distorting the OM-2's exposure readings when you use the self-timer or remote control equipment.

## Failsafe Auto:

- You don't even need to switch the OM-2 to "AUTO" to get correct automatic exposures. In a hurry, leave the switch at "OFF," and the camera will still set the exposure automatically for speeds over 1/30 sec.

## Automatic Accuracy with Any Lens or Focusing Screen:

- Light values can change when you use different lenses or focusing screens, but the OM-2 always gets to the heart of the matter — the point where the light hits the film — and delivers perfect exposures regardless.

In other words, whatever way you look at it, and however you use it, the OM-2 is still way ahead of the game.



# 250M-2 New

The latest OM-2 (with the OM-2N designation) is fundamentally unchanged from the original OM-2. However, it does feature several significant improvements in ease and simplicity of use, and in performance. These make the OM-2 more attractive than ever from the points of view of dealers and photographers alike.

## 1. Full Flash Charge Indication:

When the Electronic Flash T20 is used, full flash charge is indicated by a bright LED in the OM-2 viewfinder, as well as on the back of the flash unit.



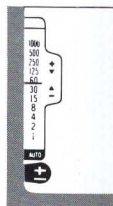
## 2. Correct Flash Exposure Indication:

When the Electronic Flash T20 is used, correct flash exposure is indicated by the same bright LED in the OM-2 viewfinder flickering for several seconds as well as by a flickering lamp on the back of the flash unit. This feature is a world first, exclusive to the OM cameras.



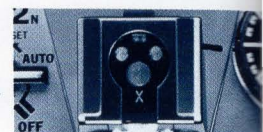
## 3. Exposure Compensation Indicator:

Turning the OM-2's exposure compensation dial causes an indicator with  $\pm$  marks to appear in the viewfinder. This provides a clear warning against unintended compensation settings.



## 4. Automatic X Flash Synchro at Accessory Shoe:

To eliminate another frequent cause of error, the flash contacts at the Accessory Shoe 4 are automatically set to X (for electronic flash). Both X and FP synchronization can be utilized at the synchro socket, as before.



## 5. Automatic Flash Mode Switching:

Changing the camera mode with the selector lever also automatically changes the flash mode. At "AUTO" (or "OFF") the Electronic Flash T20 operates in "TTL AUTO" mode. At "MANUAL" the Electronic Flash T20 operates in "MANUAL" mode.



## 6. Flash Synchronized Shutter:

The shutter is closed automatically on completion of the flash emission.

## 7. Simplified Shutter Resetting:

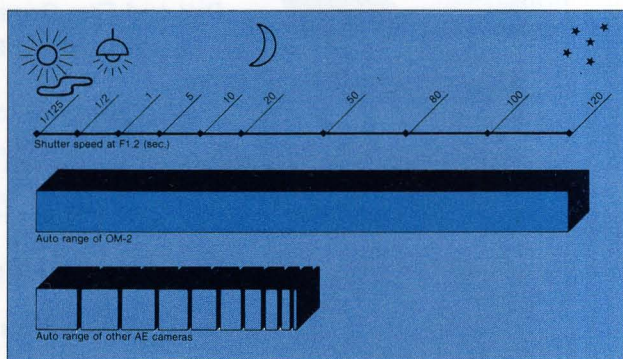
When the shutter is locked (through exhaustion or incorrect insertion of batteries, etc.), it can be reset by pushing the camera selector lever to the "CHECK-RESET" position.



## 8. Current Limiter during Shutter Lock:

This safety device prevents short term battery drain while the shutter is in the locked position.

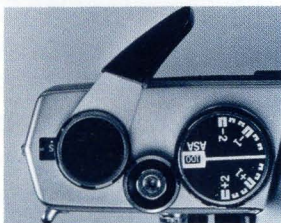
## 9. Longer Maximum Exposures:



The OM-2 can now make automatic available light exposures for as long as 120 seconds, about twice as long as before.

## 10. Redesigned Film Advance Lever:

The new film advance lever adopts a 'soft touch' form for faster, more convenient action.



## 11. Redesigned Rewind Release Lever:

This part also adopts a 'soft touch' form.

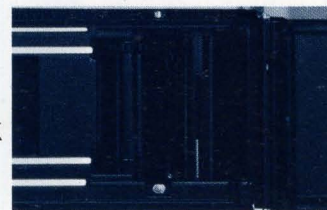


## 12. Cassette Retaining Plate:

This plate is attached to the rear cover, and ensures the film cassette is inserted and retained in the correct position, thereby eliminating the risk of film damage.

## 13. Direct Contact for Recordata Back:

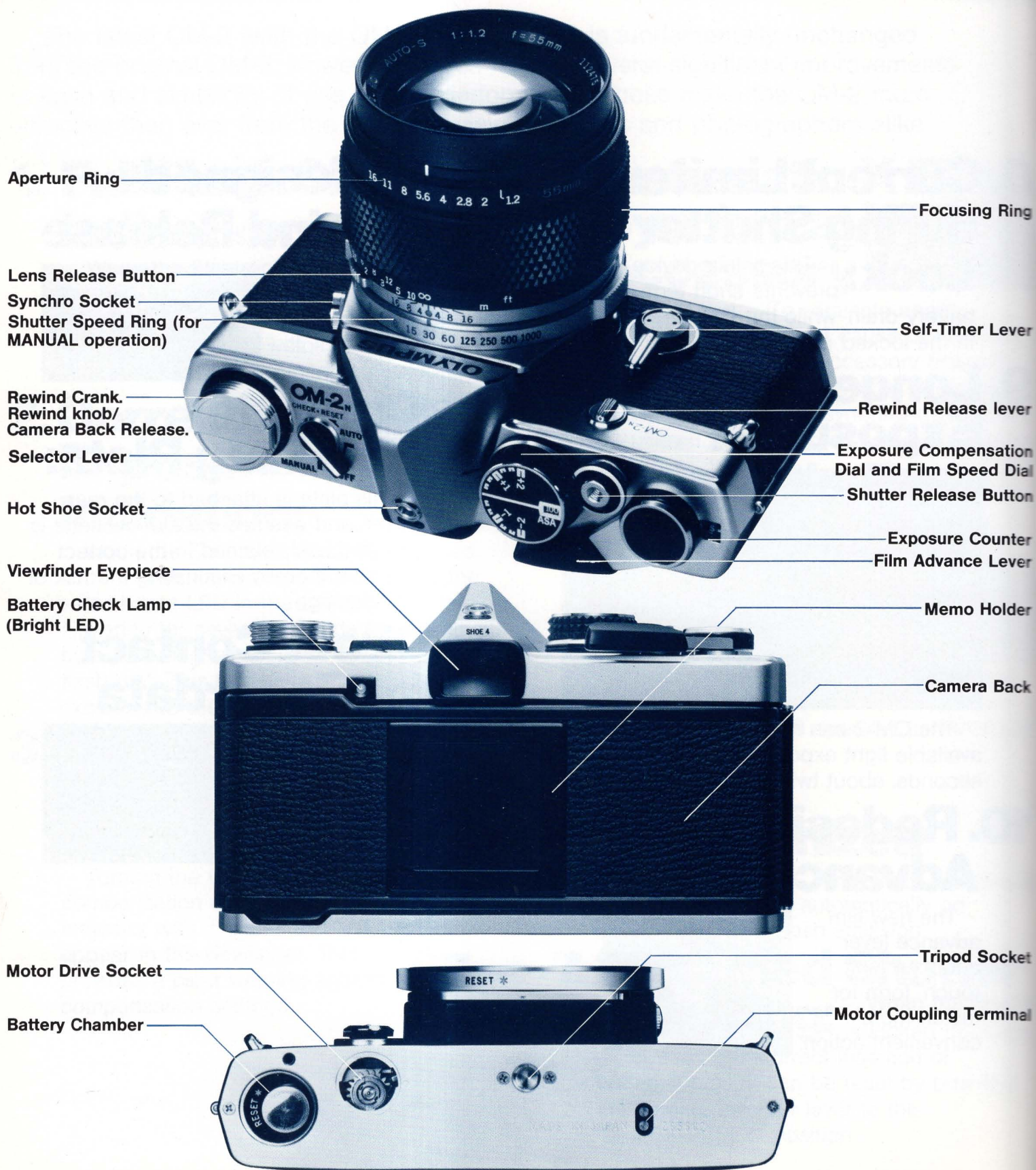
A cordless Recordata Back is now under development.





# 27 OM-2

## Nomenclature





**A.** Mode switching (between aperture preferred and shutter speed preferred automatic exposure, etc.) is a great technical achievement, and a great gimmick. But what does it really do for photography? Apart from adding an extra control to worry about, or forget? Getting the right exposure means picking the right shutter speed for a given aperture, or the right aperture for a given shutter speed. So, with an auto camera, when you set one, you are automatically setting the other, too.

**Q. The latest trend in auto SLRs is multi-mode operation. Hasn't the OM-2 been left behind?**

With the OM-2, you select the approximate shutter speed when you set the desired lens aperture, and you can see the shutter speed in the viewfinder. You get exactly the same versatility as with a "multi-mode" camera, but with one less step to remember. And that makes the OM-2 faster to operate, too.

The aim of the OM-2 is functionality — taking better photographs, more easily. And for functionality, the OM-2 is unbeatable.

**A.** The OM-2's Centralized Control System really does contribute to functionality.

Thanks to TTL Direct (OTF) Light Measuring, it concentrates exposure decisions at the very heart of the photographic process, the point — and time — where the light from the subject hits the film.

With this one stroke of genius, all kinds of complicating factors and compensatory mechanisms are eliminated. The OM-2 ALWAYS gets the exposure right. Because TTL Direct (OTF) Light Measuring is unaffected by the type of focusing screen, stray light entering through the eyepiece, the kind and length of lens, the aperture, the use of bellows, microscopes,

**Q. What do you mean by "Total mode automation" with the OM-2's Centralized Control System?**

astrosopes, etc. Because it works on real time, without a "memory device." Because it can even measure electronic flash light build-up, in fractions of milli-seconds.

With the Centralized Control System, it's no longer the situation and the kind of equipment you use that control the camera. It's the camera that retains total command over the situation.

That's Total Mode Automation with modes that really matter to the photographer. And it's exclusive to the OM-2.



# 29 OM-2 Q

**Q. You make the Centralized Control System sound like the greatest thing in photography since the Single Lens Reflex. So why has no one else followed the OLYMPUS lead?**

**A.** It very possibly is. But what's good for the photographer is not necessarily easy for the camera maker. The Centralized Control System is not just an electronic device. It took OLYMPUS years of research to develop, and it involves a variety of mechanisms that require extra precision, time and expense to manufacture and install. If it was just a matter of modern electronic wizardry, the OM-2 would have plenty of imitators by now. The only feature others have been able to imitate, until now, is its size and light weight.

**A.** Auto operation is great for action, for snapshots and for almost any kind of photography. But many photographers like to use "MANUAL" once in a while. When there's time to compose and expose a shot at leisure, "MANUAL" can give an extra edge in controlling the quality of the final picture. And it's still the best way to get exactly the results wanted with fill-in flash, etc. That's why the OM-2 has full manual capability, identical to that of the OM-1.

**Q. Why does the OM-2 have "MANUAL" function as well as "AUTO"?**



**Q. Does the OM-2 use the same equipment as the OM-1?**

**A.** Yes. In manual function the OM-1 and OM-2 are identical. The OM System is completely interchangeable between the OM-1 and the OM-2. They use the same lenses, focusing screens, motor drive and winder units, data backs, flash, etc. If one already owns an OM-1 and plans to buy an OM-2, or wants an extra OM-1 body to complement their OM-2, there is no need whatever to duplicate OM System units. The OM cameras are the only cameras to feature this total identity of function.

still give correct auto exposures for normal subjects (at shutter speeds faster than 1/30 sec.). That's one way the OM-2 makes sure a good picture isn't missed, even if it appears without

warning. However, when there's time to compose the picture,

a glance at the OM-2's variable viewfinder display will confirm if the camera

is set to "AUTO,"

"MANUAL" or "OFF."

**Q. What happens if I forget to switch the OM-2 to "AUTO"?**

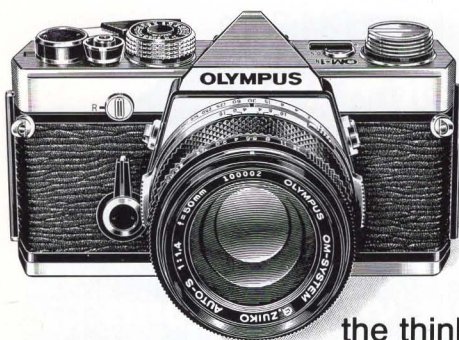
**Q. What happens if the finder blacks out?**

**A.** This is another safety device. If the batteries are exhausted, the finder goes black automatically. If new batteries are inserted incorrectly the same thing happens.

At the same time a safety device locks the shutter and cuts out the circuit to protect the OM-2's electronic brain. To correct, insert fresh batteries correctly, and push the selector lever to "CHECK · RESET."



# 31 OM-1 Design



The OM-1 marks a break through in 35 SLR design. The only way to understand how it came about is to understand the thinking behind it.

The following points are central to that thinking:

1. A camera is for taking photographs. The only real value of a camera lies in how well it does this job.
2. The true proof of a camera's value is its functionality. Functionality includes the technical excellence of the photographic results, the range of photographs that can be taken, the speed at which the camera can respond to situations, its convenience in handling and carrying, its toughness and reliability, etc.
3. Functionality is an intrinsic quality. It derives from the design concept, engineering quality and performance specifications. It does not depend on fashion, market trends, etc. However, especially in a highly discerning market like that for 35 SLRs, functionality is sure to be rewarded by good sales.
4. A camera's functionality is measured by its performance in actual use. Maximum functionality means not a maximum of functions, but an *optimum* balance of *useful* functions.

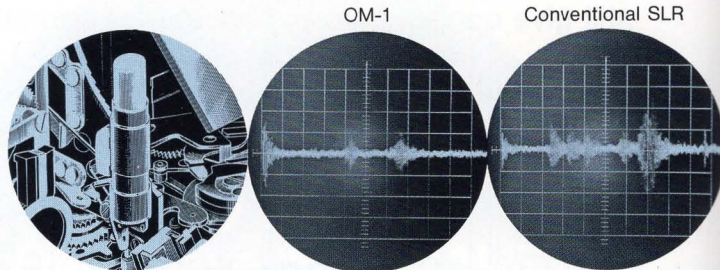
These points form the basis of the OM concept, true system camera functionality embracing the OM System as well as the cameras. They explain how the OM-1 is so different from its predecessors and its imitators — the extremely rare phenomenon of a camera that combines the latest developments in technology with a fundamental examination of how they can be most effectively used to produce better photographs.

In accordance with the OM concept, the OM-1 is:

## 1. Small and Light



Small size and light weight are especially important in a true system camera. They mean the photographer has less of a physical and a psychological burden in carrying the necessary camera(s) and equipment. Alternatively they mean he can carry a more comprehensive range of equipment for the same weight. The aim of the OM-1 is not to be the smallest and lightest 35 SLR, but to increase functionality by being small and light.



## 2. Smooth and Quiet

These factors are mechanically and psychologically important. The smooth shutter/mirror mechanism of the OM-1, utilizing special ball bearing trains, shock absorbers and a newly developed air damper, etc., reduces camera shake, picture blur and mechanical stress. It makes possible the use of five-frame-per-second motor drive without mirror lock-up, and the use of long telephoto lenses without a tripod. It also assures much quieter operation, making the camera unobtrusive in sensitive picture-taking situations.



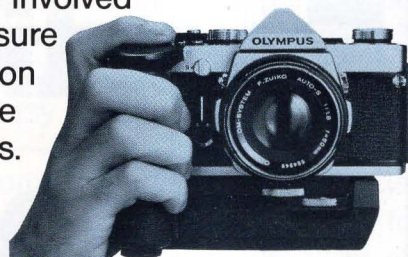
## 3. Tough and Reliable



Top performance means nothing if the camera breaks down. So the same quest for functionality dictated the use of tougher materials and more reliable mechanical systems throughout in the OM-1. It also involved uncompromising 100,000 exposure laboratory testing, not to mention exhausting testing in actual use by over a million photographers.

## 4. Fast

The ability to respond quickly makes the difference between outstanding photos and mediocre ones. Thus the OM-1's controls are designed for fast, positive operation, and the whole OM System is designed for simple attachment and interchangeability in seconds. For fast sequences or instant preparedness, the OM Motor Drive provides a speed of up to five frames per second.



## 5. Positive

This depends on many factors.

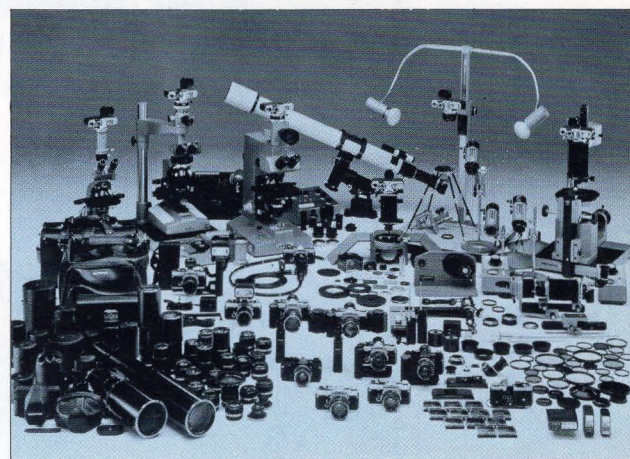
Central among them is the viewfinder image, because the photographer cannot take clear photos unless he



can see clearly. The OM-1 finder is therefore exceptionally large and bright for positive focusing and composition. For the same reason there is a choice of 14 interchangeable focusing screens. And in addition, the OM-1 provides outstandingly large, easily operated controls.

## 6. Versatile

Not only highly responsive in itself, the OM-1 has an incomparably comprehensive system of over 300 units that brings every kind of subject within the photographer's range.





# **33OM-1** Top S

**Superb Compactness-**

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**Smooth, Quiet  
Operation-The Hallmark  
of True Precision-**

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**Unremitting Toughness-**

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**Fabulous Functionality-**

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**Total Photographic  
System-**





The OM-1 is the original compact 35 SLR, far smaller and lighter than anything that came before it. But the smallness of the OM-1 comes from thinking big — and creating a brilliantly innovative camera design with more rational layout, stronger materials and faster, more accessible controls. Don't be misled: A compact camera is a compact camera. And a top quality camera is a top quality camera. The OM-1 is both.

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A superior 'feel' is one of the first things you'll notice about the OM-1. The only way to achieve it is through the highest standards in design and engineering. In the OM-1, the smoothness of the controls is paralleled by outstanding smoothness and quietness in all mechanical functions. They're your guarantee of impeccable performance in every situation, with added bonuses like less camera shake and less distraction of the subject.

---

The OM-1 is much more than just a pretty face. Every component is designed and tested for tough, reliable action. That's why the OM-1 is rated so high by professionals, whose work is so demanding it can reduce an average camera to a useless wreck in a matter of weeks.

And don't forget the OM-1 is the FIRST compact 35 SLR. So it's been tested far more thoroughly, over a longer period, by over a million owners. And of course, it's been steadily improved by field experience.

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The OM-1 is much more than the sum of its parts — because it's part of the most comprehensive, beautifully balanced photo system ever. The more one uses the OM System, the more they'll appreciate the OM-1, with its SYSTEM features like the extra big, bright viewfinder, the superbly fast, easy controls, and the effortless assembly of other system units.

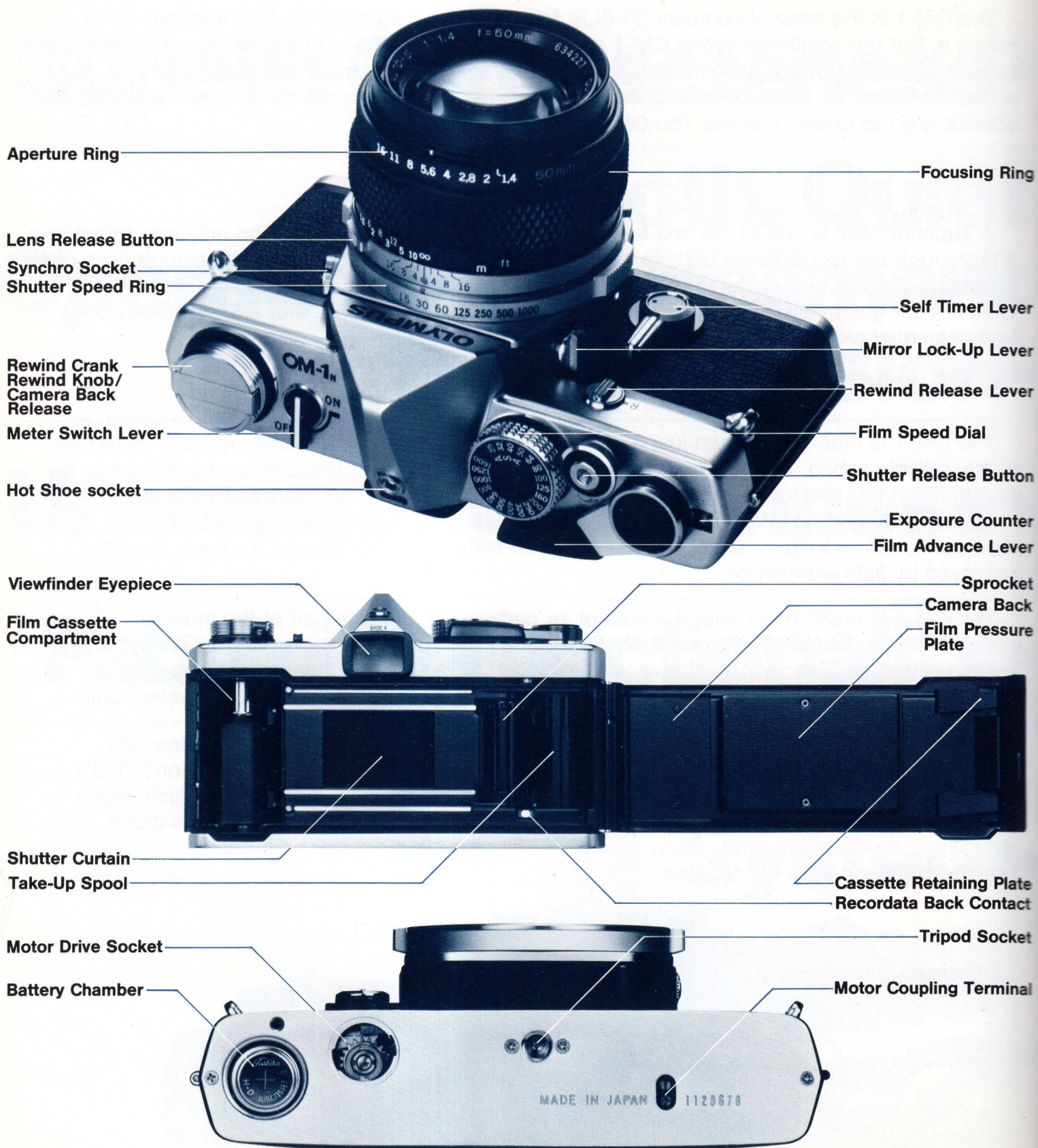
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What other camera (apart from the OM-2) has a special focusing screen for endoscopy, another for astrophotography, and a choice of 12 more for every imaginable situation? That's just the start of the OM System which provides lenses, macrophoto, photomicro, flash, motor drive and winder, and other units to match — perfectly. But the OM System pays as much attention to functionality as to variety, so every unit also promises top performance, compactness and ease of handling.



# 35 OM-1

## Nomenclature

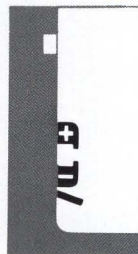




The OM-1 (with the OM-1N designation) is still the same camera that has achieved worldwide sales of well over a million. But now it's even easier to use and promises still better results. The main improvements are listed here.

## 1. Full Flash Charge Indication:

When the Electronic Flash T20 is used, full flash charge is indicated by a bright LED in the OM-1 viewfinder as well as on the back of the flash unit.

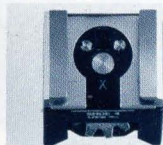


## 2. Correct Flash Exposure Indication:

When the Electronic Flash T20 is used, correct flash exposure is confirmed by the same bright LED in the OM-1 viewfinder flickering for several seconds as well as by a flickering lamp on the back of the flash unit. This feature is a world's first and is exclusive to OM cameras.



## 3. Automatic X Flash Synchro at Accessory Shoe:



The flash contacts of the Accessory Shoe 4 are automatically synchronized to X (for electronic flash).

Both X and FP synchronization can be utilized at the synchro socket as before.

## 4. Redesigned Film Advance Lever:

The new film advance lever adopts a 'soft touch' form for faster, more convenient action.



## 5. Redesigned Rewind Release Lever:

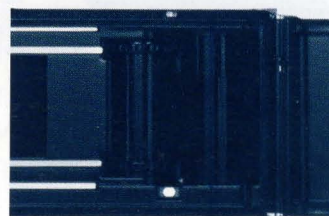
This part also adopts a convenient 'soft touch' form.

## 6. Cassette Retaining Plate:

This plate is attached to the rear cover and ensures that the film cassette is inserted and retained in the correct position, thereby eliminating the risk of film damage.

## 7. Direct Contact for Recordata Back:

A cordless Recordata Back is now under development.





# 37 OM-1 Q

**A.** Most of the new developments in 35 SLR cameras since the appearance of the OM-1 have involved either copying the OM-1's compactness, or new advances in automatic exposure control. If you want an automatic camera, obviously the OM-1 is not for you. You would do better to look at the Auto/Manual OM-2 or the Auto OM-10, both of which feature TTL Direct (OTF) Light Measuring, the world's most advanced and most accurate exposure control system.

But if you're interested in a full exposure control camera, you'll find that in many ways the OM-1 outperforms everything on the market.

**Q. I know the OM-1 has a good reputation, but is it as advanced as any of the new cameras on the market?**

For example, it's got the biggest system of any compact 35 SLR, complete with five-frame-per-second motor drive system and three-frame-per-second winder, interchangeable screens, a host of compact lenses, macrophoto and photomicro units, etc. It's built with superb precision, giving outstanding 'feel' as well as remarkable toughness. And it's been tested in every conceivable situation by over a million owners throughout the world — and steadily improved accordingly.

Can you think of any other "manual" 35 SLR that can match the features of the OM-1?

**Q. Some new 35 SLRs are even lighter and more compact than the OM-1. Wouldn't they be a better buy?**

**A.** It is true that small size and light weight are big selling points for the OM-1. But, though it may sound strange, it wasn't really designed as a compact camera. The main design goal of the OM-1 was taking better pictures and one aspect was getting rid of unnecessary weight to make the camera less trouble to carry. Other aspects include the remarkably big, bright viewfinder, the large, quick controls, the huge, superbly balanced OM System and the tough, reliable, precision-engineered components.

The OM-1 made a quantum jump in compactness — and improved on performance and versatility at the same time. That's an achievement that makes excellent sense for any photographer. Trimming off a few more millimeters or grams and being content with far less performance makes no sense at all.



**A.** That depends on the way you think about photography and the kind of photography that interests you. Automatic cameras excel in action photography and in assuring foolproof results even for people who are not too mechanically minded. Full Exposure Control cameras are as good, or even better, in providing total control over the picture making process when you have plenty of time to compose and organize the shot. That's why even the OM-2 has full manual capability and the OM-10 also features an optional Manual Adapter. Another important point about "manual" cameras is their mechanical shutter. This ensures that one can take pictures even if the batteries run out unexpectedly or extremes of climate cause battery malfunction. These cases are very rare, but even professionals often carry a manual 'back-up' camera just in case.

**Q. What's the point in buying a "manual" camera nowadays, when automatics are so sophisticated and economical?**

From the point of view of cost, while it is true that auto controls have become much cheaper, they still add extra cost to the camera. Obviously an auto camera is either more expensive than a comparable manual camera or it achieves a comparable cost by economizing on other features. For example, the OM-2, which has exactly the same system versatility and manual performance as the OM-1, unavoidably is more expensive. The OM-10, available at a similar price, does not have interchangeable focusing screens, etc., because these features are not generally needed by the amateur photographers the OM-10 is designed for.

So, if maximum performance and versatility are required, but one can afford to take time composing and setting exposures, the OM-1 is still an unbeatable value.

**Q. Are there any changes from the original OM-1?**

**A.** Fundamentally, no. With regard to design modification and performance details, yes of course. A camera is a very delicate system of interrelated mechanisms and even the most stringent checking and testing at the pre-production stage cannot guarantee a perfect balance between the many hundreds of elements involved. So naturally the OM-1 has been improved in countless details as a result of feedback from owners, dealers, service people, etc., to make it still better in operation, tougher and more reliable. At the same time, its performance has been improved with the development of new technologies. For example, the present OM-1 (OM-1N) features direct viewfinder indication of full flash charge and correct flash exposures, an extremely useful function exclusive to the OM cameras and the Electronic Flash T20.



# 39 OM-10 D



The OM-10 was developed to respond to, and stimulate, the fastest growing segment of the 35SLR market.

This is the market of newcomers to 35SLR photography, and in some cases newcomers to photography itself, who desire the performance and versatility of the single lens reflex format, but at the same time want their photography to be as simple and error-free as possible. The OM-10 also depends on the most modern developments in camera electronics and highly rationalized production techniques to appeal strongly in terms of cost performance.

In the past few years, automatic exposure control has come to be appreciated as a further

contribution to camera performance, and generally accepted even by traditionalists. The position of automatic 35SLRs has been greatly strengthened by new developments in the electronics field and striking advances in their application to cameras, notably by the OLYMPUS OM-2.

Exposure automation has also had the effect of radically changing the 35SLR image — from a complicated piece of equipment only understood by professionals and photography buffs, to a type of camera much more versatile but hardly more difficult to use than a simple compact or pocket camera.

However, complexity was only one of several factors deterring casual photographers and beginners from buying a 35SLR. Other important reasons were bulkiness and high cost.



## Manual Adapter

	Click stop dial setting. 11 steps from 1 to 1/1,000 sec.
<b>Shutter Speeds:</b>	Exposures set according to LED viewfinder information.
<b>Dimensions and Weight:</b>	30×25×23mm (1.18"×0.98"×0.91"), 7g (0.25 oz).



## Simply Ingenious

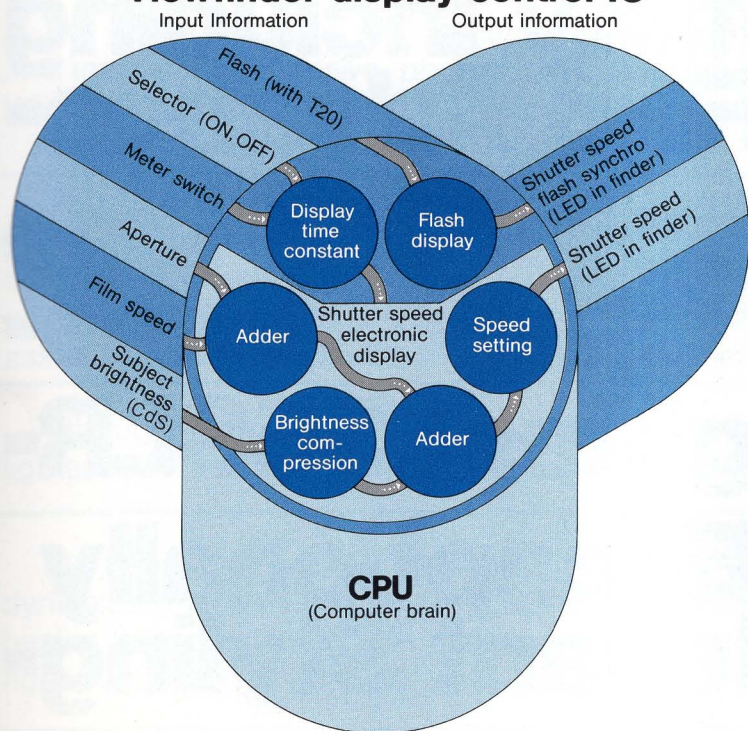
The OM-10 is designed to eliminate all these obstacles. It has the simplest, most foolproof electronic control system of any 35SLR to date; it is the lightest and one of the smallest 35SLRs; and in cost it is only a small step up from the more sophisticated compact, rangefinder-type fixed lens cameras. While it does not provide the total modular function of the OM-1 or OM-2, which would be superfluous for the great majority of amateur photographers, it does feature interchangeability with a very large part of the OM System, including the Winder 1, all the lenses, the Electronic Flash T20, etc. In addition it offers still greater ease of operation, with a virtually foolproof system of electronic safety and warning devices.

Although it is intended primarily for the amateur market, the OM-10 pays far more

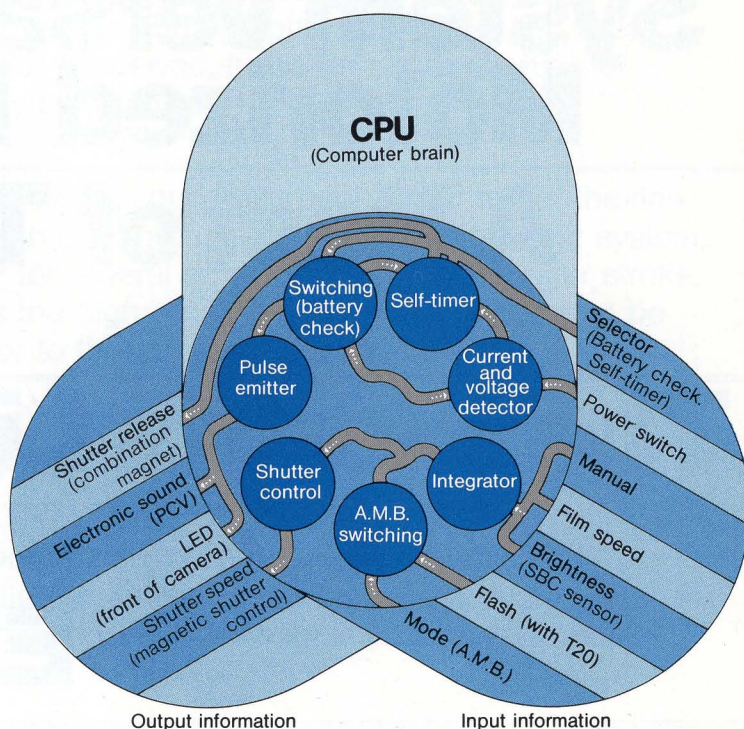
attention to detail than is usual in competitive cameras, and is immediately distinguished by its precision 'feel' and appearance, and by the convenient location and positive action of its controls — all major selling points. Furthermore, its compatibility with the OM System saves the dealer the trouble and expense of stocking extra equipment, and assures the photographer of easy upgrading to other OM cameras without duplication of system units.

With the addition of the OM-10, the OLYMPUS line of single lens reflex cameras caters to every taste and budget. This is naturally a huge advantage in sales planning. In fact the OM-10 is already largely sold by the outstanding reputation of the OM System. It can be expected to play a big part in promoting sales of the other OM cameras, too.

### Viewfinder display control IC



### Shutter control IC





# 41 OM-10 Top

The OM-10 marks a major breakthrough in the application of state-of-the-art electronics technology to automatic camera function. It brings the renowned functionality of the OM cameras and system within the range

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**Failsafe Electronic  
Performance-**

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**TTL Direct (off-the-film) Light  
Measuring-**

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**World's First Audio-Visual  
Indicator System-**

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**System Versatility Including  
Motorized Film Advance-**

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**A Host of Top-of-the-Line  
Features-**

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**The World's Lightest 35SLR-**

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**Exceptionally  
Elegant Styling-**

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**Optional Manual Adapter-**



# Selling Points

# 42

even of beginning photographers, by concentrating on failsafe performance, versatility, compactness and reasonable cost. It also introduces several exclusive features to make picture taking easier and more pleasurable.

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A comprehensive array of safety devices, linked to the OM-10's twin high-capacity electronic brains, makes mistakes and spoiled pictures virtually impossible.

Features include LED shutter speed display, LED full flash charge indication and correct flash exposure confirmation in the camera viewfinder, correct automatic exposure even with the power switch off, automatic selection of 1/60 sec. shutter speed for flash photography with the T20, automatic shutter lock when the batteries are exhausted, and many other safety features.

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The OM-10 is the only camera in the world apart from the OM-2 to feature TTL Direct (OTF) Light Measuring, the astonishing real time system that ensures correct exposures in all conditions, by measuring the light that actually reaches the film DURING the exposure.

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The OM-10 is the first camera in the world to provide an audio-visual indicator system: a super bright GaAlAs LED operates in combination with a Piezoelectric Ceramic Vibrator (PCV) to give unmistakable battery check and self-timer indications in bright or dark conditions.

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The OM-10 uses the OM System, recognized by serious photographers as one of the finest, and most comprehensive, photographic systems ever conceived. It can be coupled with the Winder 1 for motorized film advance as fast as many motor drives.

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Despite its highly competitive cost, the OM-10 provides a generous package of top-of-the-line features — among them a large, bright viewfinder with LED information and triple focusing system, soft release shutter, ratchet type film advance lever for several short strokes or one longer stroke, extra large and convenient controls, etc. It also has the high precision feel that has come to be associated with the OM cameras, and is far superior to that of competitive models.

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Although it's so positive and easy to handle, the OM-10 is extremely compact — and the lightest camera body in the world. So it's extremely easy to carry as well as to use.

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The OM-10 not only takes great photographs, it looks great too. The elegant profile and dynamically clean styling make it stand out in the display window, even before the customer begins to appreciate its fine performance and engineering. And that's an important sales point right from the start.

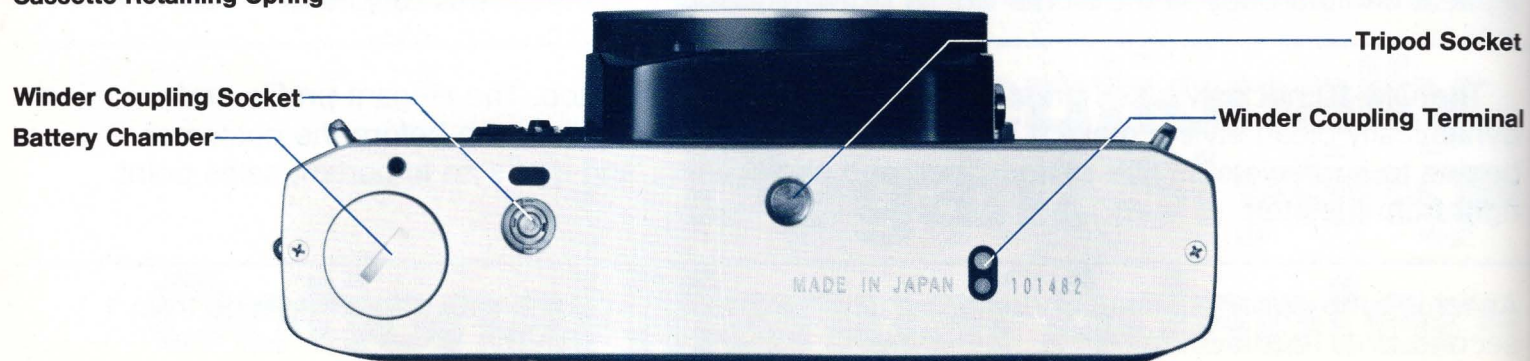
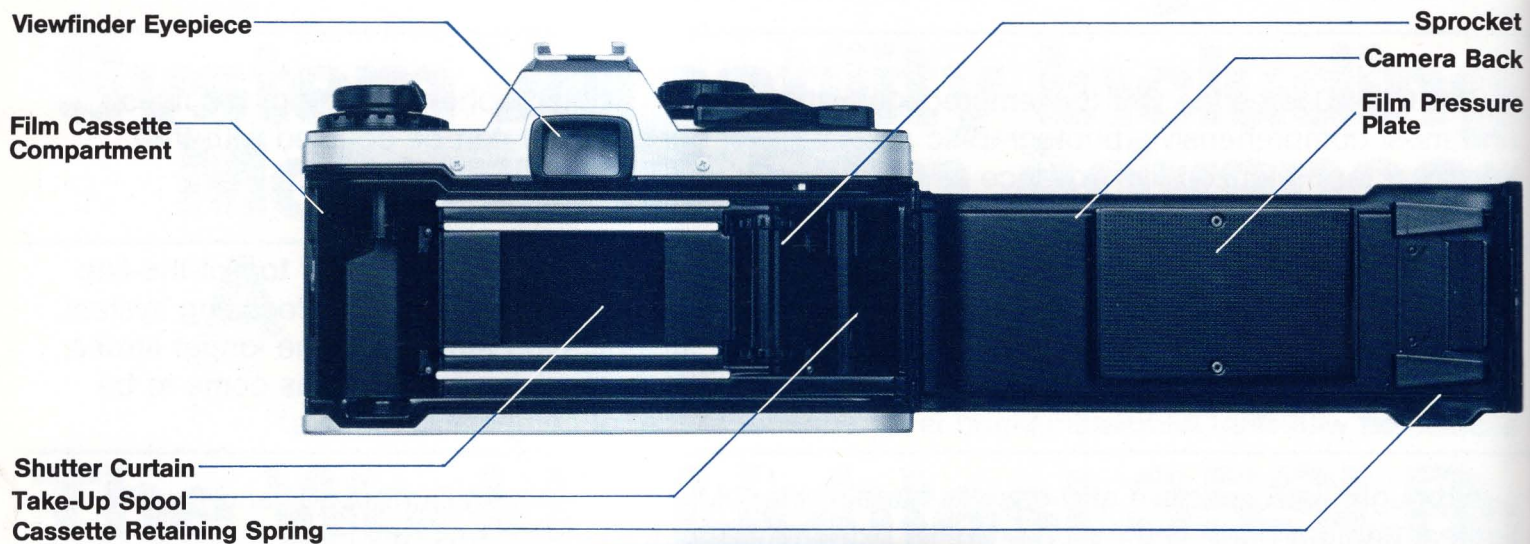
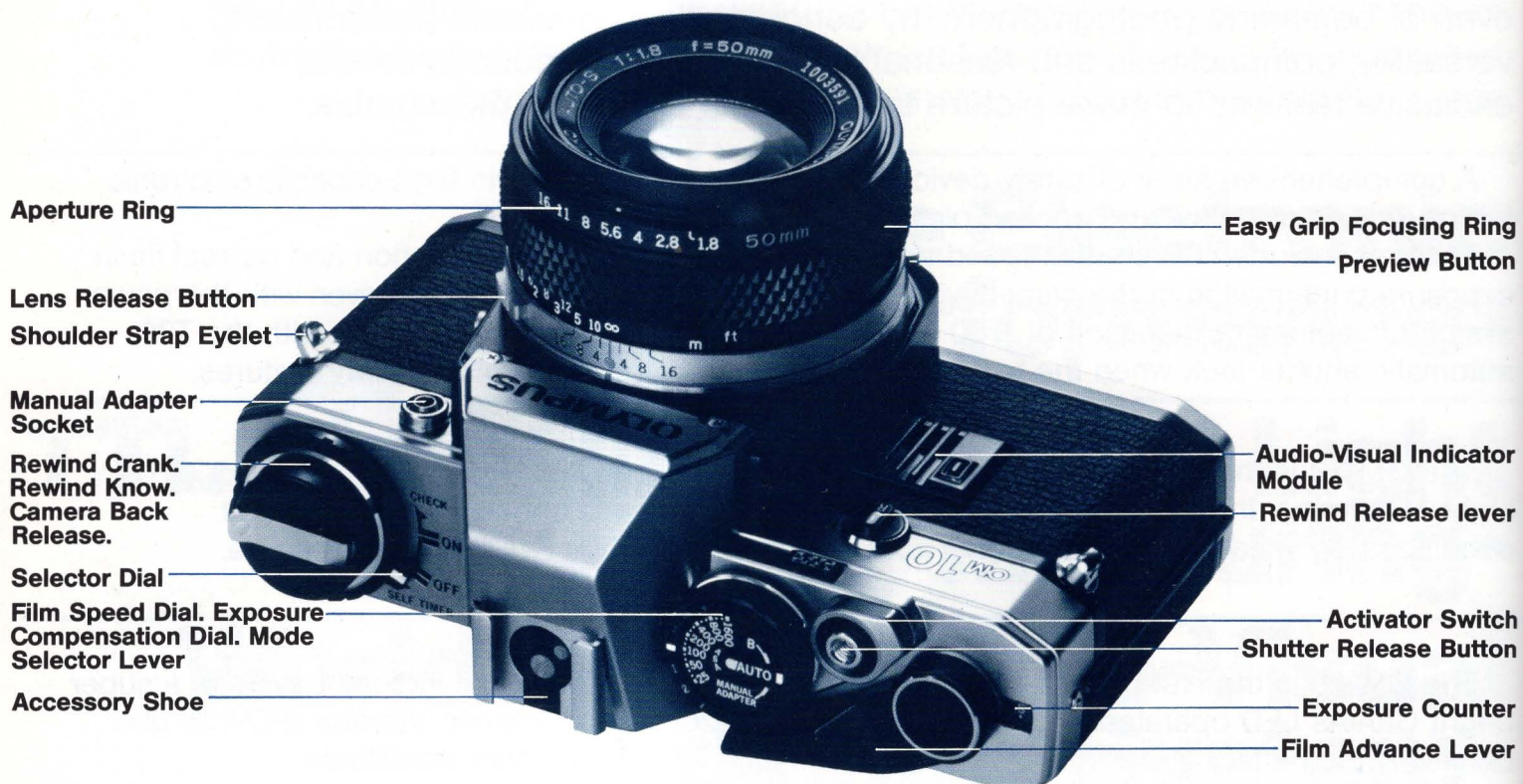
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Attaching the optional Manual Adapter permits full exposure control with shutter speeds from 1 second to 1/1000 sec.



# 43 OM-10

## Nomenclature





**A.** Yes, there very definitely is. In fact, there are a number of important factors to consider in picking the most suitable camera. Some are listed here:

1. Performance. Can the camera do what the photographer wants it to do?
2. Simplicity. Can the camera be used easily, and will it make sure of foolproof results?
3. Compactness. Is the camera small and light enough to be carried easily?
4. 'Feel.' Does the camera feel good to hold and use, and are the controls designed and positioned for natural, positive function?
5. Reliability. Can the camera be relied on, to work properly, is it robustly made, and is it backed by a reliable service network?
6. Cost. Does the camera fit your budget?

Performance in itself covers many different factors, from the quality of the pictures produced to the versatility of the camera system, speed of handling, etc. In this respect the OM-10 scores very high: built in the OM tradition of fine design and engineering, using the OM System which is renowned for outstanding quality and versatility and includes a huge range of superb lenses, 3-frame-per-second winder, flash with full viewfinder indications, etc. For most amateurs nowadays, simplicity means automatic exposure control. Many cameras offer this feature, but only the OLYMPUS OM-2 and OM-10 provide TTL Direct (OTF) Light Measuring, the revolutionary development that assures complete accuracy in

**Q. There is a huge variety of 35 SLRs on the market nowadays. Is there really anything much to choose between them?**

all conditions by responding to the least change in lighting instantly, on real time, DURING the moment of exposure. Other aspects of OM-10 simplicity in operation include a huge range of safety and warning devices made possible by the extremely advanced, high capacity twin electronic brains, which make mistakes and spoiled pictures virtually impossible.

As for compactness, OLYMPUS almost invented the term. The OM-1 and OM-2 changed the whole course of 35 SLR development by stressing compactness and light weight. The OM-10 is the lightest 35 SLR in the world, and one of the smallest, but like the OM-1 and OM-2, it makes no sacrifices in performance.

'Feel' is very much a matter of personal preference, but the sports car like smoothness and precision of the OM-10's controls are impressive. Some cameras, in contrast, tend to handle more like a truck. High quality components and good, well-balanced engineering are vital factors in the OM-10's intrinsic reliability. And, if anything should need attention, OLYMPUS provides a first class service network and a full guarantee.

Last but not least, the OM-10 is not only highly attractive to look at and use, it is also highly attractive to the pocket.

One should check out the cameras of interest, bearing these points in mind. And don't be surprised if the final decision is an OM-10.



# 45 OM-10

**A.** The OM-2 provides unbeatable performance and versatility for professional and really serious amateur photographers. At the same time, to fully enjoy the benefits of the OM-2 requires a certain mastery of photographic techniques.

The OM-10 is even simpler to use than the OM-2, and its highly advanced electronic functions, which even include an audio-visual warning device, LED shutter speed and flash indications, automatic switching to the correct shutter speed for flash, etc., reduce possible errors in picture taking to almost nil. The OM-10 is not primarily intended for professionals, so it does not have quite the same range of functions.

**Q. What's the difference between the OM-10 and the OM-2?**

For example it uses a versatile fixed focusing screen instead of permitting screen changing, and it cannot be used with the OM System Motor Drive, although the Winder 1 which it DOES accept is as fast as the motor drives of many other cameras. And for manual operation, a feature many photographers will never require, the OM-10 uses an optional Manual Adapter.

In other words, the OM-10 emphasizes failsafe operation and foolproof results. It gives the same impeccable performance as the OM-2 in the great majority of cases. And it achieves a welcome breakthrough in cost performance, too.

**A.** One controls the display functions, and the other controls the camera operation. Because the OM-10 has two high power electronic brains, it can provide an unprecedented degree of automatic warning and control functions without making circuits unnecessarily complicated. This is one case where two heads are definitely better than one.

**Q. Why does the OM-10 need two electronic brains?**

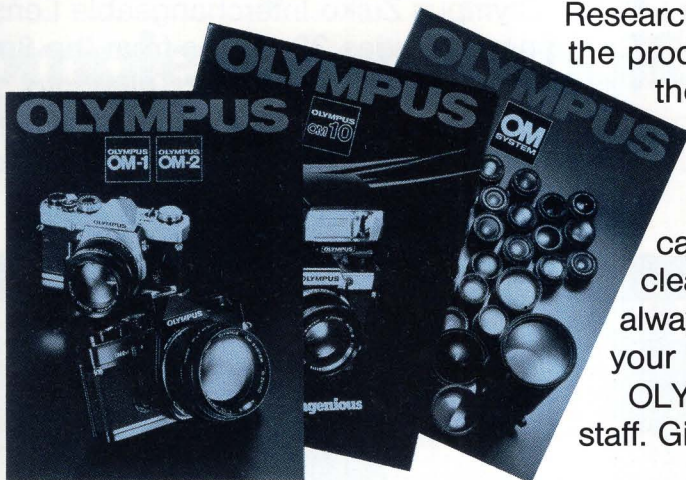


**Q. Does the OM-10 utilize OM System units as the OM-1 and OM-2 do?**

**A.** Yes, it utilizes OM System units. So one can be absolutely confident that the lenses, flash, winder and other equipment used with the OM-10 conform to the highest possible standards of performance and functionality. And, if the owner decides to buy another OM camera, they can use all the system units acquired for the OM-10 without the least duplication. The only difference, as mentioned above, is that a few OM System units normally used only by professionals and advanced amateur hobbyists are not available for the OM-10. For the dealer, it greatly reduces the stock inventory problem, permitting the inventory investment to be in terms of diversity, instead of duplication.

ONE-POINT ADVICE

## Know Your Product. Get the Best out of Catalogs.



Research, and common sense, show that explaining the product in the store is a major factor in deciding the customer.

A knowledgeable, helpful sales assistant is a sure way to better business.

Another key to improved sales is OLYMPUS camera catalogs. They present the product clearly and attractively. Make sure they are always available and prominently displayed in your store.

OLYMPUS camera catalogs are your silent sales staff. Give them the respect they deserve.



# 47 LENSES

## The Zuiko Interchangeable



Lenses are rightly regarded as one of the most essential criteria in assessing a camera system. The OM System lenses in the Olympus Zuiko Interchangeable Lens Group satisfy the strictest requirements in terms of optical performance, range, and practicality. They also set new standards in compactness and light weight, in accordance with the OM design philosophy, through the use of superior computerized design techniques and improved optical glasses and other materials. Their intrinsic low flare is supplemented where necessary by multi-coating. Other noteworthy features of OM System lenses are their outstanding close

focusing performance, exceptional brightness (especially in wide angle and super wide angle lenses) and extremely fast, easy attachment to the OM camera bodies. The OM System is unique in providing no less than four macro lenses, which together provide ideal optical characteristics from infinity to 16.5x magnifications.

The Olympus Zuiko Interchangeable Lens Group now includes 33 lenses from the 8mm Fisheye to the 1000mm Super Telephoto. Among them are three highly useful zooms and a shift lens providing both horizontal and vertical

TYPE	LENS	ANGLE OF VIEW	OPTICAL CONSTRUCTION ELEMENT-GROUP	F-STOP RANGE	MIN. FOCUS (ft.)	WEIGHT (oz.)	LENGTH	FILTER				FOCUSING SCREEN																		
								49mm	55mm	72mm	100mm	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12	1-13	1-14					
FISHEYE	ZUIKO FISHEYE	8mm F2.8	180° (circle)	11-7	2.8-22	0.2 m (0.7)	640g (22.6)	82mm																						
	ZUIKO FISHEYE	16mm F3.5	180°	11-8	3.5-22	0.2 m (0.7)	180g (6.3)	31mm	Built-in (L39, Y48, O56, R760)																					
SUPER WIDE ANGLE	ZUIKO MC	18mm F3.5	100°	11-9	3.5-16	0.25m (0.8)	250g (8.8)	42mm																						
	ZUIKO MC	21mm F2	92°	11-9	2-16	0.2 m (0.8)	250g (8.8)	43.5mm																						
	ZUIKO	21mm F3.5	92°	7-7	3.5-16	0.2 m (0.7)	180g (6.3)	31mm																						
	ZUIKO MC	24mm F2	84°	10-8	2-16	0.25m (0.8)	280g (9.9)	48mm																						
WIDE ANGLE	ZUIKO	24mm F2.8	84°	8-7	2.8-16	0.25m (0.8)	180g (6.3)	31mm																						
	ZUIKO MC	28mm F2	75°	9-8	2-16	0.3 m (1.0)	250g (8.8)	43mm																						
	ZUIKO	28mm F3.5	75°	7-7	3.5-16	0.3 m (1.0)	180g (6.3)	31mm																						
	ZUIKO MC	35mm F2	63°	8-7	2-16	0.3 m (1.0)	240g (8.5)	42mm																						
STANDARD	ZUIKO	35mm F2.8	63°	7-6	2.8-16	0.3 m (1.0)	180g (6.3)	33mm																						
	ZUIKO SHIFT	35mm F2.8	63° (Max. 83°)	8-7	2.8-22	0.3 m (1.0)	310g (10.9)	58mm																						
	ZUIKO	55mm F1.2	43°	7-6	1.2-16	0.45m (1.5)	310g (10.9)	47mm																						
	ZUIKO	50mm F1.4	47°	7-6	1.4-16	0.45m (1.5)	230g (8.1)	39mm																						
	ZUIKO	50mm F1.8	47°	6-5	1.8-16	0.45m (1.5)	170g (6.0)	31mm																						
	ZUIKO MC MACRO	50mm F3.5	47°	5-4	3.5-22	0.23m (0.8)	200g (7.1)	40mm																						



Compatible: The meter in the OM-1 and OM-2 (on MANUAL) cannot be used. On AUTO, the OM-2 makes correct exposures, but the meter needle does not indicate correct shutter speeds.



Compatible: The meter needle indicates correct light readings. In the combination marked with\*, micropism, split-prism and edges of the finder will darken.

⊙ Automatic correction mechanism against close distance aberrations



## MAIN SELLING POINTS

**Superb resolution, contrast and other optical characteristics**

**Unusually close focusing (with independent elements where necessary)**

**Exceptional brightness**

**Full variety, including zoom, macro and shift lenses  
(Some older systems have more, but usually include outdated lenses.)**

**Astonishing compactness and lightness, despite uncompromising optical quality and mechanical robustness**

**Extremely fast, easy lens changing**

**Complete compatibility with all OM cameras**

TYPE	LENS	ANGLE OF VIEW	OPTICAL CONSTRUCTION ELEMENT-GROUP	F-STOP RANGE	MIN. FOCUS (ft.)	WEIGHT (oz.)	LENGTH	FILTER				FOCUSING SCREEN													
								49mm	55mm	72mm	100mm	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12	1-13	1-14
ZOOM	ZUIKO MC ZOOM 35-70mm F3.6	64°-34°	10-8	3.6-22	0.8 m (2.7)	400g (14.1)	74mm																		
	ZUIKO ZOOM 75-150mm F4	32°-16°	15-11	4-22	1.6 m (5.2)	440g (15.5)	115mm																		
	ZUIKO MC ZOOM 85-250mm F5	29°-10°	15-11	5-32	2 m (6.0)	890g (31.4)	196mm																		
TELEPHOTO	ZUIKO MC 85mm F2	29°	5-4	2-16	0.85m (2.8)	260g (9.5)	48mm																		
	ZUIKO 100mm F2.8	24°	5-5	2.8-22	1 m (3.3)	230g (8.1)	48mm																		
	ZUIKO MC 135mm F2.8	18°	5-5	2.8-22	1.5 m (4.9)	360g (12.7)	80mm																		
	ZUIKO 135mm F3.5	18°	5-4	3.5-22	1.5 m (4.9)	290g (10.2)	73mm																		
	ZUIKO MC 180mm F2.8	14°	5-5	2.8-32	2 m (6.0)	700g (24.7)	124mm																		
	ZUIKO MC 200mm F4	12°	5-4	4-32	2.5 m (8.2)	510g (18.0)	127mm																		
	ZUIKO 200mm F5	12°	6-5	5-32	2.5 m (8.2)	380g (13.4)	105mm																		
SUPER TELEPHOTO	ZUIKO 300mm F4.5	8°	6-4	4.5-32	3.5 m (11.5)	1100g (38.8)	181mm																		
	ZUIKO MC 400mm F6.3	6°	5-5	6.3-32	5 m (16.4)	1300g (46.0)	255mm																		
	ZUIKO MC 600mm F6.5	4°	6-4	6.5-32	11 m (36.1)	2800g (98.8)	377mm																		
	ZUIKO MC 1000mm F11	2.5°	5-5	11-45	30 m (98.4)	4000g (141.0)	662mm																		
SPECIAL USE	ZUIKO MC MACRO 20mm F3.5	at highest mag	4-3	3.5-16	with Auto Bellows and PM-MTob	70g (2.5)	20mm	21mm Slide-on				*	*	*	*						*			*	*
	ZUIKO MC MACRO 38mm F3.5	at highest mag	5-4	3.5-16		90g (3.2)	28mm	32mm Slide-on				*	*	*	*								*	*	*
	ZUIKO MC 1:1 MACRO 80mm F4	at highest mag	6-4	4-22	with Auto Bellows	200g (7.1)	46mm					*	*	*	*								*	*	*

Note: Black finished front rings are being gradually introduced for all OM System Zuiko interchangeable lenses.

Specifications subject to change without notice.



**A.** Certainly not. OLYMPUS has always been a perfectionist with regard to lens performance, ever since it started making high precision microscopes over 50 years ago. The gains in lightness and compactness were achieved in several ways. The use of more efficient optical glasses to reduce various kinds of aberration made it possible to use simpler designs,

**Q. Does the compactness of OM System lenses involve a loss of quality?**

thus decreasing the length of the lenses close to the theoretical minimum, with a consequent reduction in size and weight.

The process of achieving the best possible lens configuration for the minimum size was aided by advanced computerized design techniques, and fully assessed by Image Simulating using Modulation Transfer Function.

**Q. How do OM System lenses compare in focusing range?**

**A.** Close focusing is another characteristic of OM System lenses. Prime lenses have a minimum focusing distance of 0.45m (1.5ft.). Fisheyes and super wide angle lenses focus right down to 0.2m (0.7ft.) or 0.25m (0.8ft.). To ensure uniform resolution throughout the focusing range, several lenses feature a group of independent elements for automatic correction at close distances.

**Q. How do the lenses perform with regard to flare?**

**A.** The lenses are designed and constructed to minimize flare automatically. In addition they feature multi-coating wherever necessary to optimize performance.



**Q. Do all the lenses take a standard size filter, etc.?**

**A.** This is not possible, owing to the big differences in lens diameter according to F number and focal length. However, at least one lens in every focal length between 21mm and 200mm takes a standard 49mm filter. The other lenses in this range all take a 55mm filter. (except the 180mm F2.8 which takes a 72mm filter).

**A.** All the units of the OM System, including the OM camera bodies, were developed according to an integrated overall design plan. As a result, each and every lens functions at optimum efficiency within the system. For example, there is no need for mirror lock-up with super wide angle and fisheye retrofocus lenses, there is no mirror cut-off with super telephotos.

In addition, lens changing is extremely fast and simple, featuring fully automatic indexing. The interchangeable focusing screens of the Finder Group assure optimum viewing even with extreme focal length and special purpose lenses for the OM-1 and OM-2.

**Q. How do the lenses coordinate with other OM System units?**

## ONE-POINT ADVICE

### Easier Instruction Manuals



OLYMPUS instruction manuals are easier to use than ever. For each camera, there are TWO manuals. The "AT A GLANCE" manual gives the essential basic information instantly.

The full length manual provides detailed information and introduces the groups and units of the OM System.

The idea is to give users extra encouragement to properly read the instructions, an essential point if they are to get the best performance from their cameras. Dealers should also stress this point when explaining the cameras to customers.



51

# MOTOR DRIVE

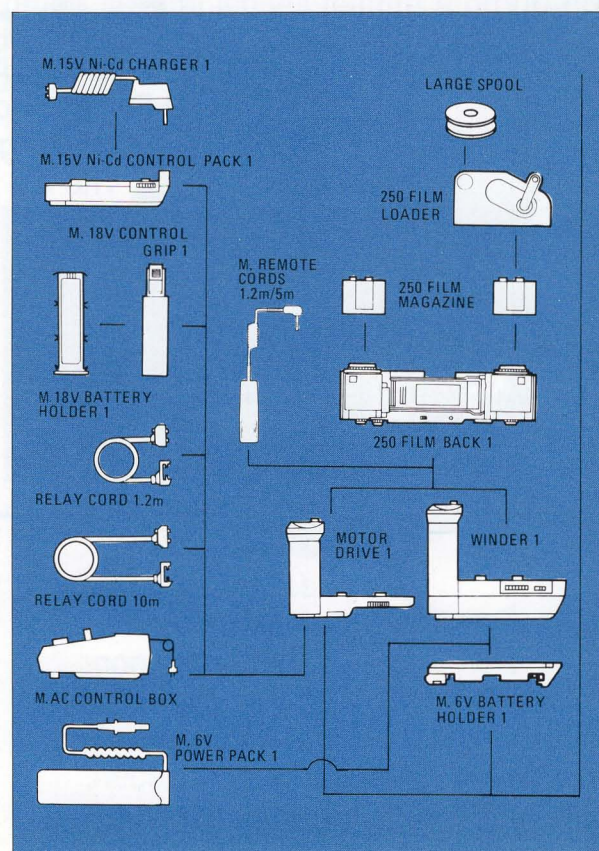
## The Motor Drive Group



Motor drive has two major functions: to allow the photographer to take sequences far faster than is possible with manual film advance, and to ensure instant readiness for the next shot, even if it follows immediately on the one before. It makes a vital contribution to the functionality of the camera by letting the photographer master a greater variety of subjects in a greater variety of situations.

However, motor drive also has an adverse effect on functionality, because it increases the weight and complication of the photographic equipment.

Until the appearance of the OM System Motor Drive, these disadvantages limited the use of motor drive almost exclusively to professionals, who had to sacrifice convenience for better performance.





# The First Truly Practical Motor Drive System

The OM motor drive for the first time combined the advantages of professional performance, outstanding compactness and lightness, and extremely simple assembly and use. It thus opened up full motor drive capability to amateur as well as professional photographers.

All the units of the OM System Motor Drive Group are fully interchangeable between the OM-1 and OM-2. In performance, the motor drive is among the fastest of any available, with a maximum speed of 5 frames per second. It operates in SEQUENCE or SINGLE mode at any camera shutter speed, including automatic

shutter speeds of the OM-2 on AUTO. (Except 1 sec. with the OM-1 during SEQUENCE operation.) Versatility is assured by a choice of three different power/control units: the Ni-Cd Control Pack, the battery powered Control Grip, and the AC Control Box, which uses household current. The system also includes a bulk film back, extension cords, etc., and provision for remote control operation.

The basic combinations of OM-1 or OM-2 Motor Drive 1 plus Control Pack or Control Grip, weigh about the same as a conventional 35 SLR (Nikon F2, Canon F-1) on its own.

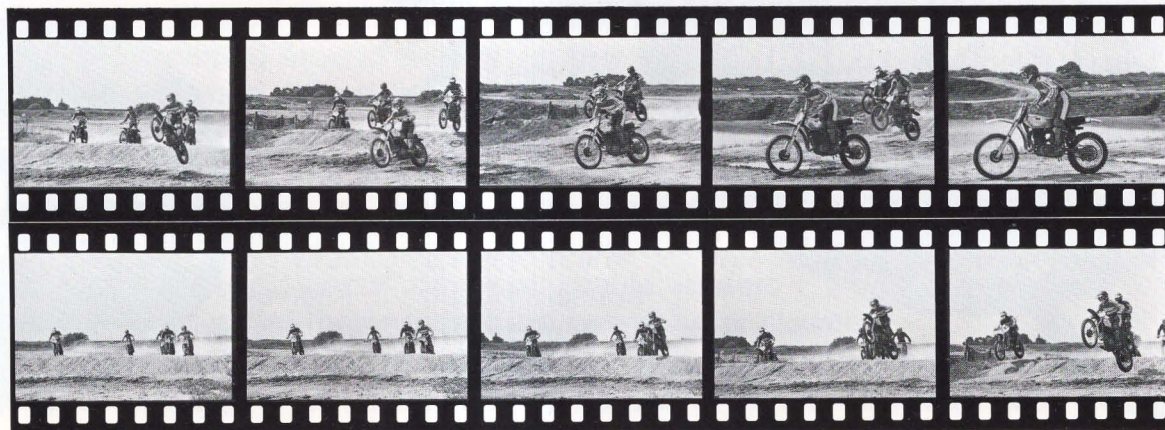
## Versatile Winder

The Motor Drive Group also provides an inexpensive Winder 1 unit, which provides single frame advance of 0.3 sec. per frame. Repeated release therefore allows a maximum speed in excess of three frames per second. The winder can also be used with the 250 Film Back 1, etc.

The OM-10, which is not primarily intended as a professional camera, does not accept the

Motor Drive 1, but it CAN be used with the Winder 1, giving it a motorized film advance capability superior to 'Winder' cameras (usually around 2 frames per second). Because it has a non-detachable back, however, it does not accept the 250 Film Back 1 and related units.

The Winder 1 can also be operated by remote or wireless control, with any of the OM cameras.





**Q. How did OLYMPUS manage to make the OM Motor Drive as fast or faster than previous motor drives, yet much more compact?**

**A.** The answer lies in OLYMPUS' total engineering approach. The five-frame-per-second motor drive is beautifully matched with the OM-1 and OM-2 in terms of mechanical performance. Because they are so exceptionally smooth in operation, they require less power than conventional cameras to accomplish the film advance process. Their smoothness also renders them less susceptible to shock, one of the principal limitations on motor drive speed. This, combined with the cameras' extremely tough construction, and the use of lighter, stronger materials in both the cameras

and the motor drive components, explains why the motor drive is so fast, compact and reliable.

**A.** That should not be a big problem. The Control Pack has a rechargeable Ni-Cd battery. On a full charge it will shoot about 40 rolls of 36-exposure film. If it does go dead, it can be easily recharged from household current. In emergencies a five minute charge will be enough for 1 — 2 rolls. The Control Grip contains 12 penlight batteries in the M.18V Battery Holder 1. With fresh Manganese batteries it can shoot about 70 rolls. But to avoid risks, carry a spare battery holder or Ni-Cd Control Pack. Again, one can change it in seconds.

**Q. What if the batteries run out in the middle of a shooting session?**

**A.** With the M.AC Control Box, which operates directly on household current, intervals from four frames per second to one frame per 120 seconds can be selected.

**Q. Isn't the motor drive complicated to use?**

**A.** Not at all. The simplest combination requires only two basic units, the motor drive itself, and the Ni-Cd Control Pack. To attach, remove the camera's motor drive socket cap, then screw the motor drive to the base of the camera, and the control pack to the base of the motor drive. The whole operation takes only a few seconds. If one decides to use the Control Grip, it clicks onto the base of the motor drive in place of the Control Pack, maybe even quicker. Operation is also extremely simple.

**Q. How about time lapse photography?**



**A.** The motor drive and all the other units in the Motor Drive Group can be used with the OM-1 and OM-2. With the OM-10 the Winder 1 allows shooting a maximum of three frames per second, but not the Motor Drive 1.

The motor drive performance of the OM-1 and OM-2 is identical, except that with the OM-2 in AUTO mode, each frame will be exposed individually, allowing one to shoot from dark subjects to light subjects and back again, and get perfect exposures every time. The OM-10 also gives exact exposures for each individual frame during winder operation. The OM-2 and OM-10 are the only cameras anywhere that provide this important feature.

**Q. Can I use the motor drive with any of the OM cameras?**

**Q. What is the difference between the Winder and the Motor Drive?**

**A.** The motor drive is exceedingly fast. Its maximum speed of five frames per second is unbeaten by any other general purpose motor drive system. The value of the Motor Drive lies in its ability to transcend the limits of human speed of response to open up new photographic opportunities. Separation of the motor drive section from the control and power source section also allows a choice of Control Pack, Control Grip or Control Box.

The winder has a slower speed, and is limited to 'single' mode wind-on. The function of the winder is to ensure instant readiness for the next shot. It is not intended for shooting fast sequences, but can in fact be fired repeatedly when necessary to get a series of action shots. The winder has a wind-on

speed of 0.3 sec., so by repeatedly pressing the button, it provides a maximum of 3 frames per second.

This is much faster than most winders, more than twice as fast as some. In fact it compares with the speed of the Nikon FM or Canon F-1 motor drive units. Compared to the motor drive, the winder is also inexpensive.

**A.** A few cameras have built-in, fixed winders, which must be carried around even when the winder is an inconvenience. Others have an integral motorized film advance, an interesting feature, but one which leaves the camera inoperative if the batteries run out. It also increases the weight of the camera, and makes servicing more complicated.

Other so-called "Winder Cameras" have detachable winders just like the OM cameras. But their winders are generally far slower than the OM System Winder and, unlike the OM-1 or OM-2, they do not accept motor drives. Of course, the OM camera could be called "Winder Cameras" too, if the OM System did not offer so much more as well.

**Q. Several cameras nowadays are advertised as "Winder Cameras." Doesn't this mean they work better, or more easily with winders than the OM cameras?**

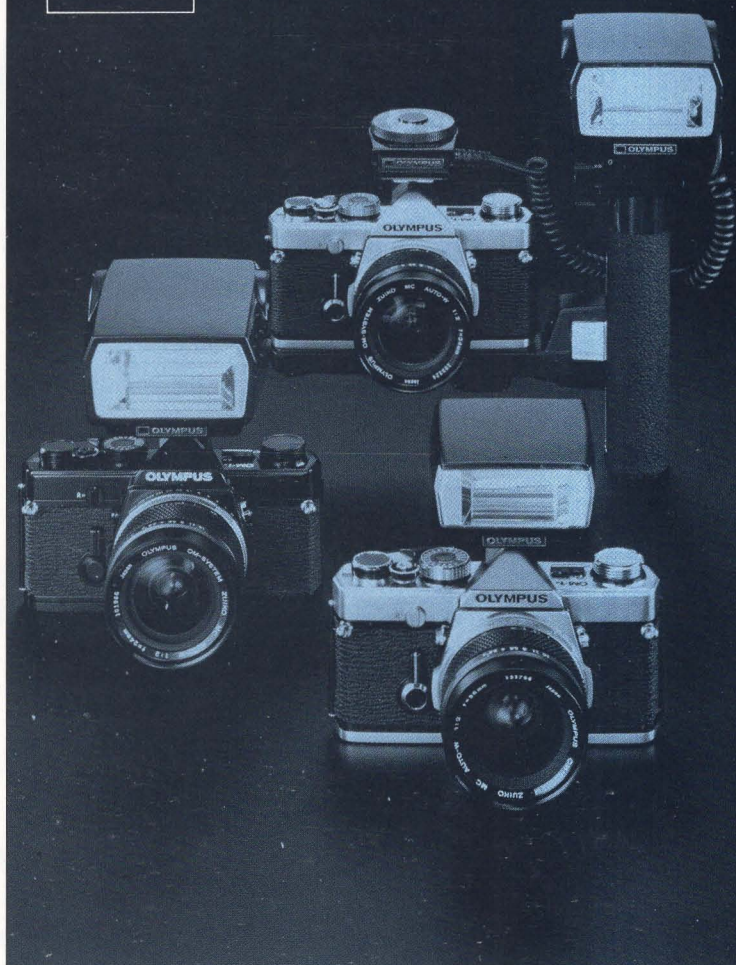


# 55 FLASH

## The Flashphoto Group

OLYMPUS  
OM-1

OLYMPUS  
OM-2



OLYMPUS has done more than any other manufacturer to ensure versatile, simple and foolproof flash performance. The same OM System standards of functionality, compactness

and light weight, modularization, speed and ease of handling make this group the most advanced in the world.

## Foolproof System

All the OM cameras (OM-2N, OM-1N, OM-10) provide cordless flash contact with automatic indication of full flash charge and correct flash exposure, both in the camera viewfinder and on the back of the flash unit. Confirmation of

correct flash exposure is an extremely valuable feature available only in the OM System. These features minimize the risk of mistaken operation and spoiled pictures.



# World's First Fully Automatic Flash

The OM-2 goes much further, providing the world's only fully automatic flash. Merely attaching the flash unit to the camera via the accessory shoe, and switching on, assures correct exposures in all conditions. No flash setting whatever is required, because film speed, aperture, distance and other factors are all set on the camera. The light emitted by the flash is measured at the film plane by TTL Direct (OTF) Light Measuring, and when the film has received the correct amount of light the flash is automatically cut off by a signal from the camera's electronic brain. The flash measuring angle is always the same as the angle of the taking lens, and the only criterion is the amount

of light reaching the film. This means that the flash can be used freely at any lens aperture, with wide angle to telephoto lenses and even with diffused lighting and other effects, without affecting the flash control system. In addition to assuring absolute accuracy with unbeatable speed and simplicity, by allowing a free choice of lens aperture, this system greatly extends the usable distance range of the flash.

The remarkably light and compact Electronic Flash T20 is fully adequate for almost all amateur and many professional applications. This is especially true with the OM-2 which allows any aperture to be used with any lens.

## New Accessory Shoes

The new Accessory Shoe 4 is required for use with the OM-2N and OM-1N in order to permit viewfinder indication capability. For TTL Auto flash with the OM-2 and T20 (but without viewfinder indications), the new Accessory Shoe 3 is used. The fixed accessory shoe of the OM-10 provides the proper linkage for full viewfinder indications with the T20. For full information, please refer to the table alongside.

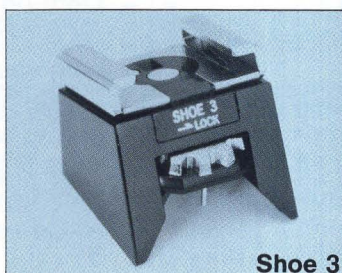
**Accessory Shoe Table**

QA310=Quick Auto 310

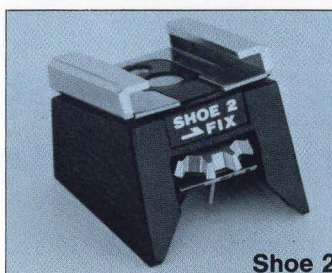
Camera Accessory Shoe	OM-2N	OM-1N	OM-2	OM-1
Shoe 4	TTL Auto with T20 Normal Auto with QA310	Normal Auto with T20 and QA310		
3			TTL Auto with T20 Normal Auto with QA310	
2			TTL Auto with QA310 Normal Auto with T20	
1			Normal Auto with T20 and QA310	Normal Auto with T20 and QA310



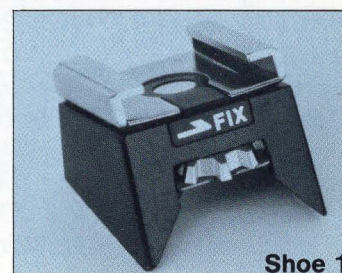
Shoe 4



Shoe 3



Shoe 2



Shoe 1



## Centralized Control Flash with the T20- The Only Truly Automatic Flash in the World.

Flash photography with the Electronic Flash T20 is a brilliant illustration of how superior OLYMPUS technology aids photographic virtuosity.

With all the OM cameras, flash is outstandingly simple and positive. When the Electronic Flash T20 is fully charged, a bright LED lights in the camera viewfinder, and a charge lamp lights on the rear of the flash unit. This is a further exclusive refinement. Directly AFTER the photo is taken, the viewfinder LED and the lamp on the flash unit flicker to provide immediate confirmation that the picture was correctly exposed. If for any reason the illumination was not sufficient, the LED and lamp fail to flicker.

Performance with the OM-2 (OM-2N designation) is still more astounding: the only steps needed for fully automatic flash are plugging in the T20 and switching it on. The flash unit is then controlled entirely by the OM-2's Centralized Control System. When the camera selector lever is switched to "AUTO" or "OFF," the flash unit automatically functions in TTL Auto mode.

Additionally, if the shutter speed is set above 1/60 sec., a safety device prevents the flash from firing and the correct exposure is made with available light. Even when the flash volume is slightly insufficient, after the flash fires the shutter is automatically closed to prevent possible picture blurring.



When the OM-2 selector lever is switched to "MANUAL," the T20 flash unit is automatically switched to manual operation.

And, with all the OM cameras, the flash contact at the hot shoe is automatically synchronized for X (electronic flash) although the OM-1 and OM-2 also allow a choice of X or FP at the synchro socket on the side of the camera.

### MAIN SPECIFICATIONS

<b>Type:</b>	Energy-saving, series type with TTL Auto, Normal Auto and Manual function.
<b>Guide Number:</b>	20(m) or 66(ft) at ASA100
<b>Coverage Angle:</b>	40° vertical, 58° horizontal (covers picture area of 35mm wide angle lens)
<b>Flash Duration:</b>	1/40,000 — 1/1,000 sec.
<b>Recycling Time:</b>	0.2 — 10 sec.*
<b>Number of Flashes:</b>	120 — 500* with AA Alkaline batteries. *Varies depending on flash-to-subject distance.
<b>Calculator Panel:</b>	Reversible panel type — blank for OM-2 (TTL Auto/Manual); Normal Auto/Manual indications for OM-1, OM-10 and other cameras.

<b>TTL Auto mode (with OM-2):</b>	Continuous aperture setting. Light measurement angle same as that of taking lens. Working range: 0.25 — 16m (10 in. — 53 ft.) (ASA100, F1.2 lens).
<b>Normal Auto mode:</b>	Two aperture settings (F4 and F8 with ASA100 film). Working range: 1–5m (3.3–16.4ft) at F4, 0.5–2.5m (1.6–8.2ft) at F8.
<b>Charge Indication:</b>	Light on back of flash unit and in camera viewfinder (with OM cameras).
<b>Correct Exposure Indication:</b>	Flickering light on back of flash unit and in camera viewfinder (with OM cameras).
<b>Power Source:</b>	Two 1.5V AA 'penlight' batteries (inc. Ni-Cd batteries).
<b>Dimensions and Weight:</b>	77×68×57mm (3"×2.7"×2.2") 160g (5.6 oz.) without batteries.



## **Top Performance Features at a Glance**

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**Switching camera selector lever automatically changes flash mode between TTL Auto and Manual (with OM-2N)**

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**Entirely automatic flash (TTL Auto mode, with OM-2N)**

---

**Full flash charge indication in camera viewfinder (with OM-2N, OM-1N, OM-10)**

---

**Correct flash exposure confirmation in camera viewfinder (with OM-2N, OM-1N, OM-10)**

---

**Big 20 (ASA100.m) or 66 (ASA100.ft) guide number, despite compact size.**

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**Wide angle of coverage (full coverage of 35mm wide angle lens picture area)**

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**Automatic X synchronization by fitting in camera accessory shoe (OM-2N, OM-1N, OM-10)**

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**Unique reversible back panel. One face is blank, for fully automatic TTL Auto mode with OM-2N. Other face provides simple settings for use in Normal Auto and Manual modes (with OM cameras and other cameras with hot shoes).**

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**Q. How is the Electronic Flash T20 different from other electronic flash units?**

**A.** First, it is extremely light and compact, yet powerful and easy to use, as you would expect from an OM System unit.

But this is just the beginning of the remarkable features of the T20. Others include a unique indicator to show full flash charge and confirm proper exposures, both on the flash unit and in the OM camera viewfinders; automatic cut-out when the flash is switched "OFF," so you can keep it attached to the camera even when you don't want to use it; and a special reversible

back panel — for fully automatic control by the OM-2, or normal auto and manual flash with other cameras. Examine a T20 for yourself to get a full idea of how sophisticated yet simple it really is.

**A.** TTL Auto is an exclusive flash mode made possible by the OM-2's TTL Direct (OTF) Light Measuring and Centralized Control System. The light emitted by the T20 is measured after it passes through the taking lens of the OM-2 and reaches the film itself, by the OM-2's special light sensors. When the correct amount of light has been emitted, the OM-2's electronic brain sends a signal directly to the flash unit, cutting off the flash emission instantly. TTL Auto not only makes flash far simpler by eliminating the need for settings on the flash unit, it also makes it far more versatile.

**Q. What flash modes are available with the T20?**

**A.** With the OM-10, OM-1 and other cameras, the T20 can be used for normal Auto flash (two settings: F4 and F8 with ASA100 film) and Manual flash (GN·20 m or 66·ft). Used together with the OM-2 it is completely controlled by the camera's Centralized Control Flash system, switching automatically between TTL Auto when the camera is set to "AUTO" or "OFF," and Manual when the camera is set to "MANUAL."

**Q. What is TTL Auto\*?**

**Q. Sometimes the flash doesn't fire on TTL Auto. Why?**

**A.** If the camera shutter speed is faster than 1/60 sec., the flash is automatically disconnected and the OM-2 gives the correct exposure with available lighting.

\*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.



**Q. My OM-1 (OM-2) does not have the N designation. Can it still use the Electronic Flash T20?**

**A.** Yes, but it will not display the full flash charge and correct flash exposure indications in the viewfinder, although they will still appear on the flash unit. With the OM-2, the Accessory Shoe 3 is used for TTL Auto flash. (Please refer to Accessory Shoe Table, p. 56.)

**Q. Can I use my Quick Auto 310 flash unit with the new OM-1 and OM-2?**

**A.** Yes. With the OM-1N it will give the same function as with the OM-1. With the OM-2N, it will not provide TTL Auto flash.

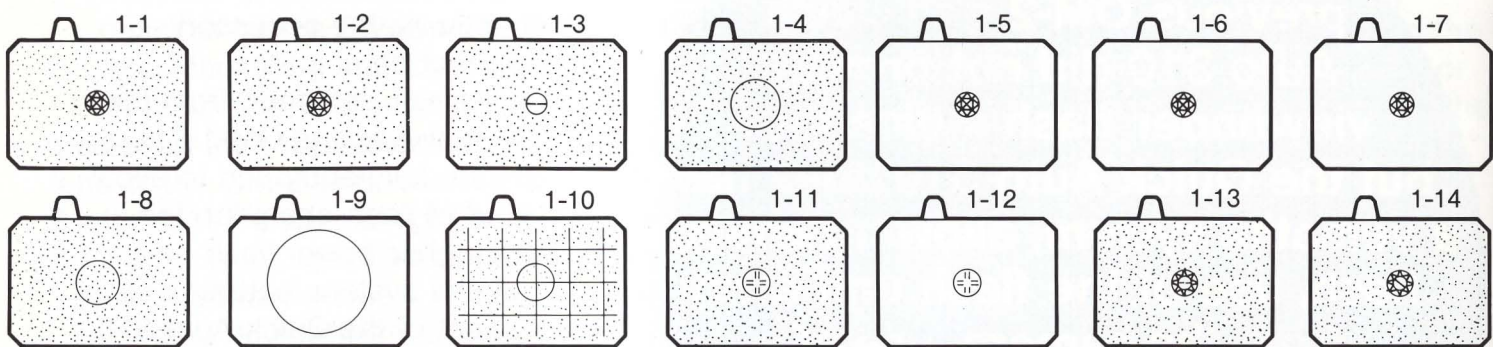
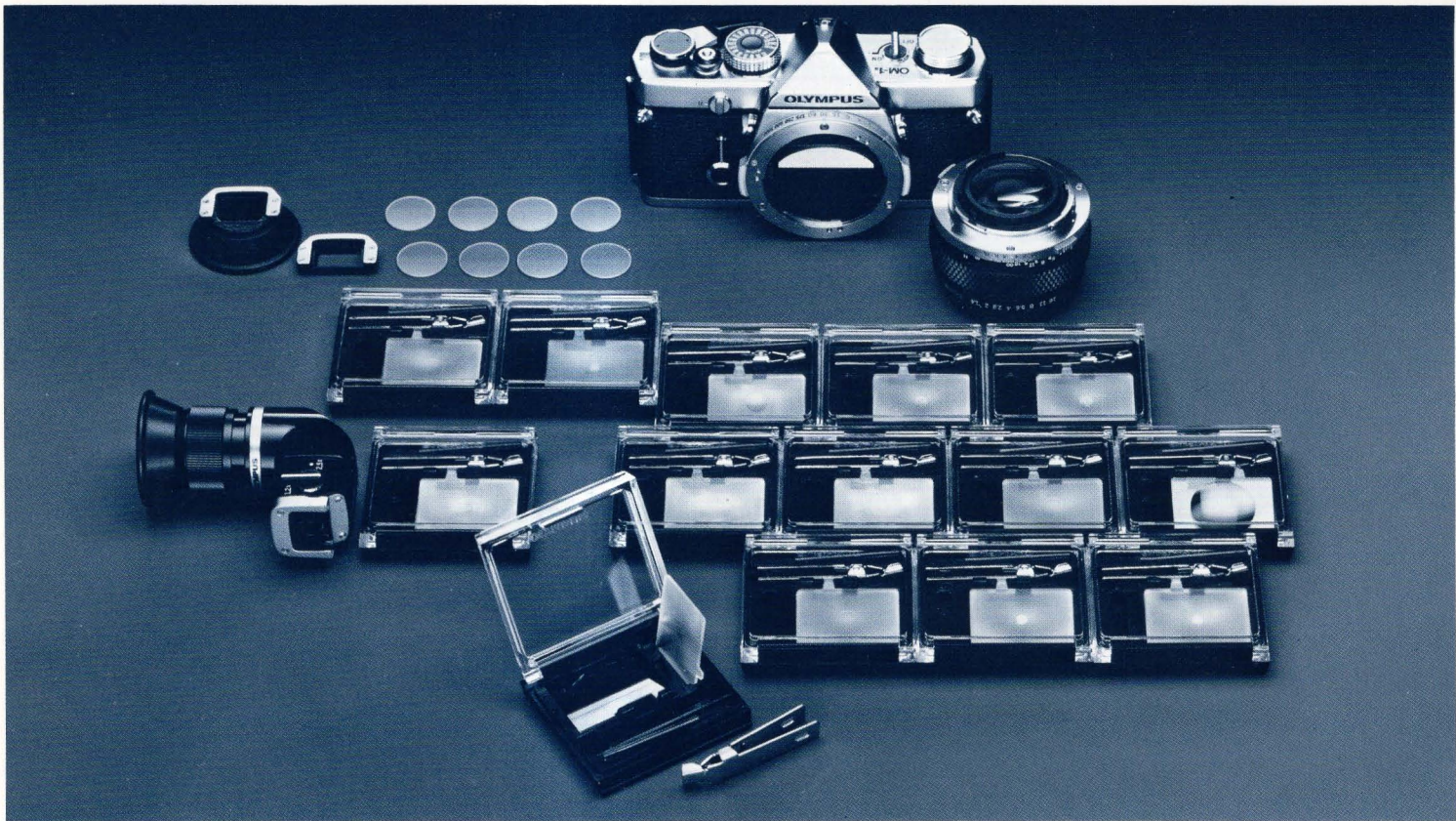
**Q. It is true that the previous OM-2 and Quick Auto 310 did not provide viewfinder flash indications, but the Quick Auto 310 does have a versatile system, allowing bounce flash, use of the flash unit away from the camera, use of a supplementary power pack, etc. How about the T20?**

**A.** The Electronic Flash T20 is designed for use attached to the camera directly via the accessory shoe. It cannot be used for bounce flash or detached from the camera. However, the OM-1N and OM-2N are fully equipped to allow this kind of flash operation too. A new, higher power flash unit, with all the system features and equipment of the Quick Auto 310, is now in preparation. If fully professional flash capability is required please be patient. It will be available in the near future.



61

# The Finder Group



The Finder Group comprises a variety of units, all designed so that the photographer sees the clearest, brightest possible picture image in all conditions. It includes a series of dioptic correction lenses to correct the photographer's vision, particularly important when shooting marginal subjects of low brightness or at high magnifications, etc.; the unique OM System Varimagini Finder which can be set at any angle, and switched between 1.2x magnification of the whole viewfield or 2.5x magnification of the central area, and various eyepiece attachments.

These units can be used with all the OM cameras.

The Finder Group also provides no less than 14 different focusing screens for the OM-1 and OM-2, which ensure the finest image quality in everything from snapshots to architectural photography, photomicrography, endoscope photography and astrophotography.

The unusually large, bright viewfinder image of the OM cameras provides a further guarantee of fast, positive focusing and composition.



**A.** If the screens can be changed, there is not much advantage in having interchangeable pentaprisms. Magnifying the finder image, allowing the image to be viewed horizontally, etc. are functions that can be performed satisfactorily by the Varimaghi Finder. On the contrary, there are many disadvantages to

**Q. Although the OM-1 and OM-2 have interchangeable focusing screens, they have fixed pentaprisms. Why?**

having a removable pentaprism. It weakens the camera's structure, increases the size, weight and cost, and greatly increases the chances of the pentaprism being scratched or soiled. The OM-1 and OM-2 method of changing the low cost screens through the lens mount eliminates these disadvantages, and is also much quicker and simpler.

**Q. What is the need for interchangeable screens anyway?**

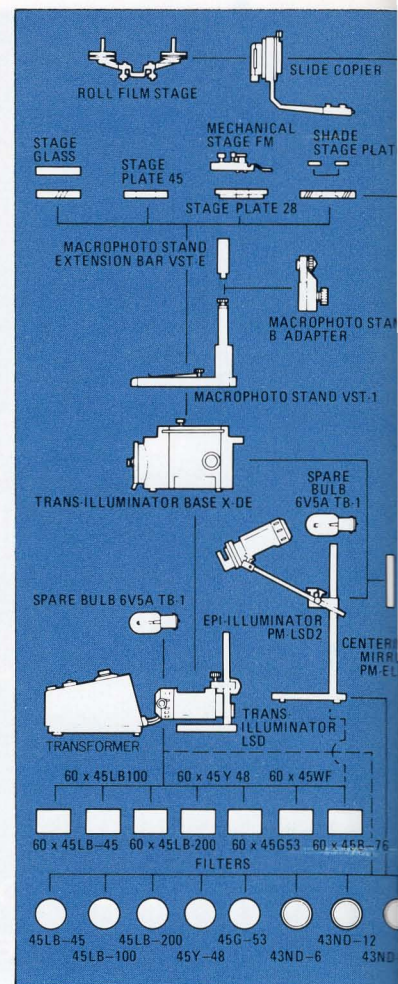
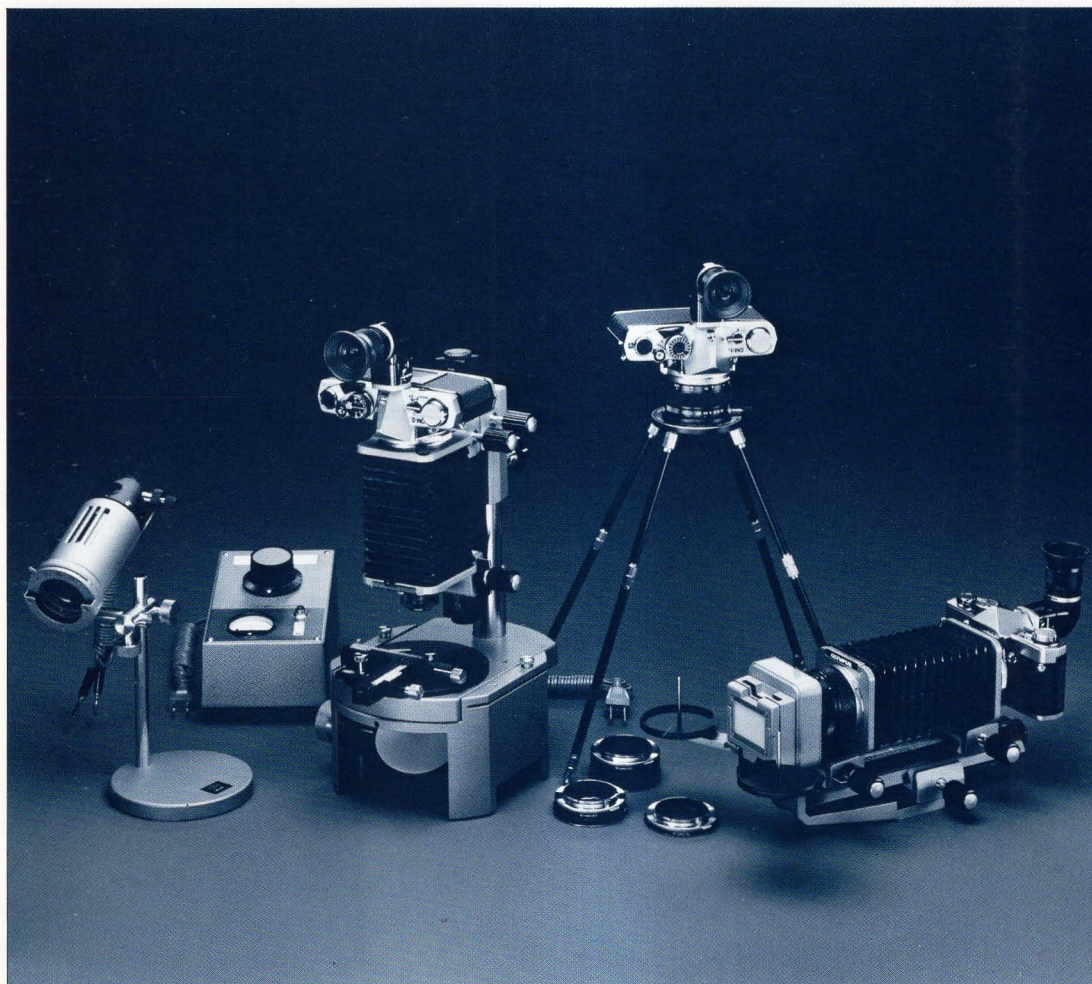
**A.** A single, well-designed screen is perfectly satisfactory for the great majority of photographic subjects. However, the screen must fulfill a number of different functions. It must show the brightest, clearest image possible, show depth of field, etc. The ideal screen surface and composition for these functions varies with the focal length, maximum aperture, etc. of the lens in use. For example, a split image can be very useful for quick focusing with prime lenses, but it is no use for astrophotography. In the latter case, a very fine matte screen is ideal because it permits outstanding field definition. In the case of a wide angle lens, a microprism-clear field type focusing screen can be used with advantage because it gives a very bright image, and the lack of depth of field indication is not so critical.

For macrophotography and photomicrography, a screen with cross hairs is useful to focus finely on the central part of the subject. In endoscope photography where no focusing is necessary, a clear type screen gives the best and brightest image. For a shift lens, a checker screen is extremely useful for checking verticals and horizontals. And so on.



63

## The Macrophoto



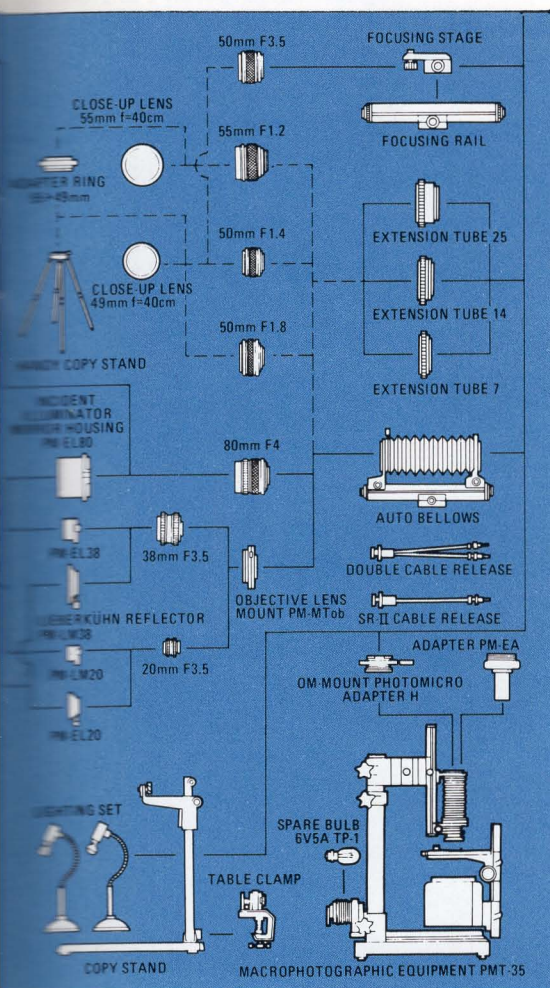
In the field of macrophotography, the OM System is probably without rival. The vast array of equipment in this group begins with four special macro lenses. The 50mm Auto Macro lens can also be used as a prime lens, but the others are specially for use, over a different range of magnifications, with the Auto Bellows. The group makes possible every kind of close up and macrophotography to the highest professional standards, thanks to its comprehensive variety of units.

These include several different illuminators and lighting sets, focusing rail and stand, Auto Bellows, stage glasses and stage plates, filters, reflectors, close up lenses, extension tubes, etc. The strength of the OM System in this rapidly

growing area of photography derives to a considerable extent from OLYMPUS' long experience in microscopes and scientific measuring instruments. The group goes beyond the normal concept of a photographic system. No other 35 SLR system even approaches it in versatility.

There is one further unique advantage to the OM System Macrophoto Group: the TTL Direct (OTF) Light Measuring Method of the OM-2. This eliminates the need for troublesome exposure calculations in a great many areas of macrophotography and photomicrography and allows free use of flash in off-the-camera situations.





**Q. Why the need for four different macro lenses?**

**A.** Together with bellows, a given lens can give a wide range of image magnifications, but there are still limits. In addition, each focal length is best suited to a specific magnification range for optimum image quality. Other factors such as lens-to-subject distance, depth of field, etc. also make a choice of macro lenses essential for a comprehensive system. The OM System macro lenses give superb contrast and definition from infinity with the 50mm Auto Macro to 16.5x magnifications with the 20mm lens.

**Q. Can the special macro lenses be used with Auto aperture setting?**

**A.** The Double Cable Release, attached simultaneously to the bellows and the camera release button, allows for automatic diaphragm operation.

**Q. How about copying documents, etc.?**

**A.** The group provides everything necessary for professional copying work. Two copy stands or the Macrophoto Stand keep the camera firmly in position. A variety of illuminators or lighting sets guarantee strictly controlled light, shadowless if required. Use of the Motor Drive or Winder makes the work faster and less tiring.

**A.** Ideally, because it is both comprehensive and compact. The simplest combination of Auto Bellows plus 50mm Auto Macro lens is satisfactory for a wide range of subjects. Its effectiveness can be supplemented by use of flash, especially Centralized Control Flash, to freeze motion and maximize depth of field, and motor drive or winder to increase readiness. (see P. 66, Chart of Photographic Range.)

**Q. Is the group suitable for insect and other outdoor macrophotography?**



65

## The Photomicro



This group is particularly unique. While some other systems provide microscope attachments or adapters, none compares with the many units provided by the OM System for professional microscope photography in every field. One reason is that OLYMPUS is a major manufacturer of microscopes, including top performance modular microscopes for research and laboratory work. Apart from camera adapters, the group includes a huge vibration-proof stand, automatic and manual exposure bodies, an automatic exposure control box to assure correct color balance, various aids to fine focusing, etc. Some of these units are highly specialized in application, and are therefore normally available through distributors of OLYMPUS microscopes.

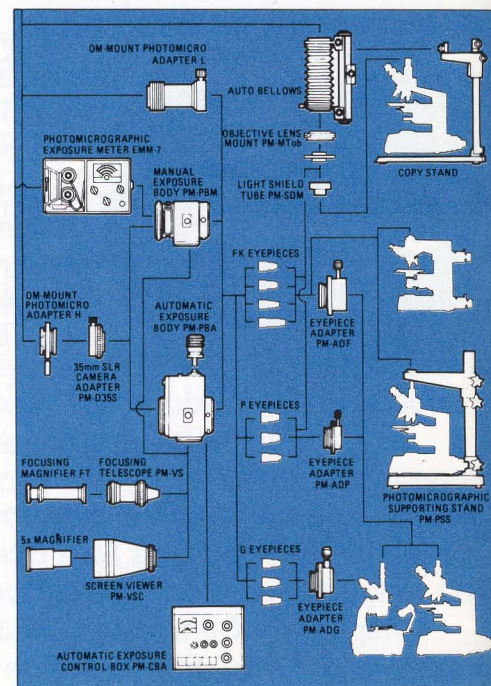
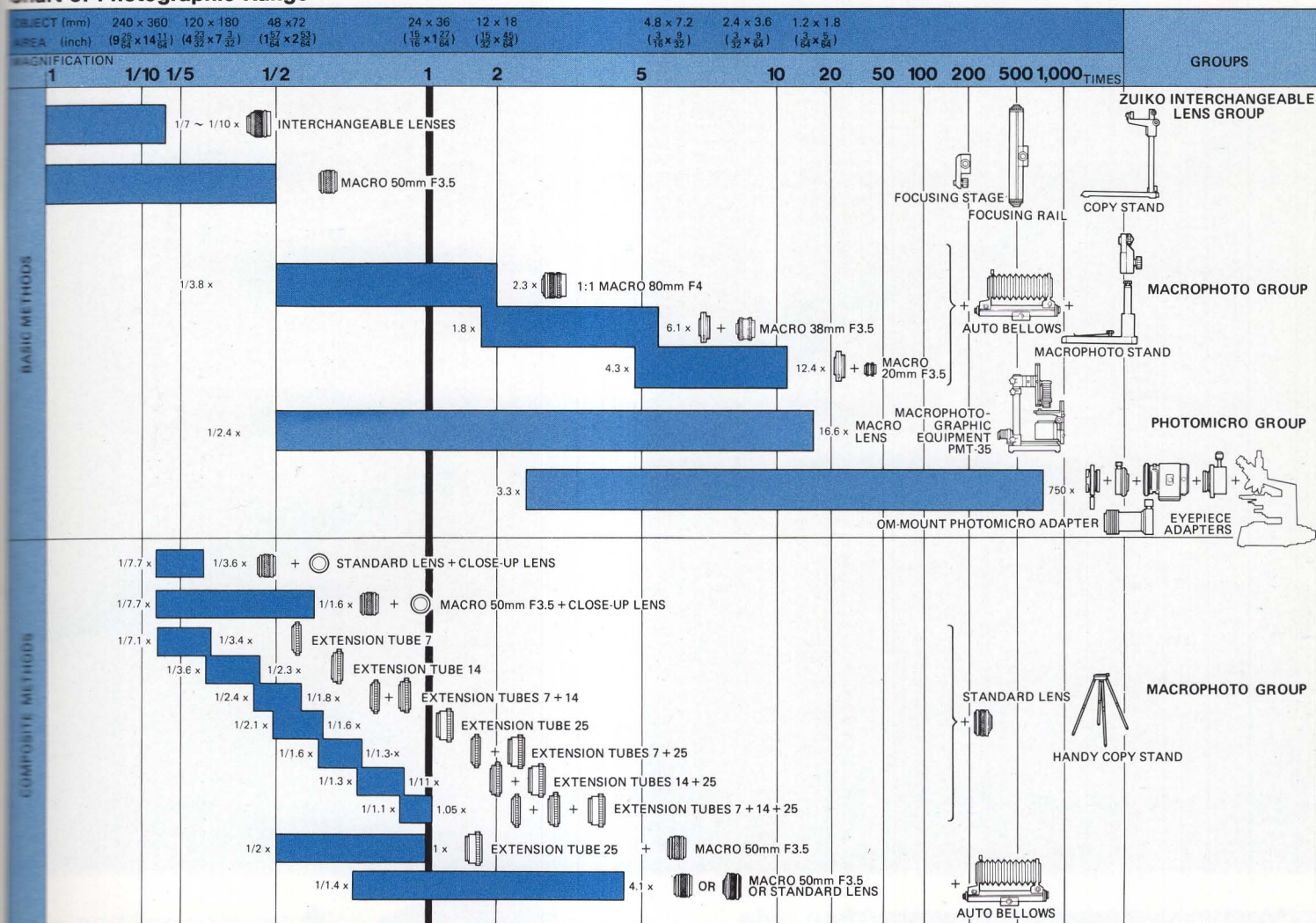




Chart of Photographic Range



**Q.** How far does the range of the OM cameras extend in photomicrography?

**A.** The range is limited only by the range of the microscope used. OLYMPUS manufactures some of the finest optical microscopes\* available, and the Photomicro Group is equipped to utilize their full potential.

\*Some units of the macrophoto and photomicro groups can be ordered from distributors of OLYMPUS Microscopes.



67

# The Phototechnical Group



Most system cameras now provide a data back. The OM Recordata Back is noteworthy largely for its ease of attachment, light weight and low power consumption. Other units in the Phototechnical Group are less common. Among them the Astroscope Adapter and OM-Mount Lens Adapter for Pen F. The OM Mount Endoscope Adapter is probably unique. It allows the OM cameras to be used for photography of the internal organs, or inside aircraft engines, etc., with a series of special OLYMPUS Endoscopes and Industrial Fiberscopes.

**Q. What is the function of the Recordata Back?**

**A.** Especially useful in scientific and record-keeping applications, it records such details as year and month, month and day, or an alphabetical and numerical code directly onto the film.

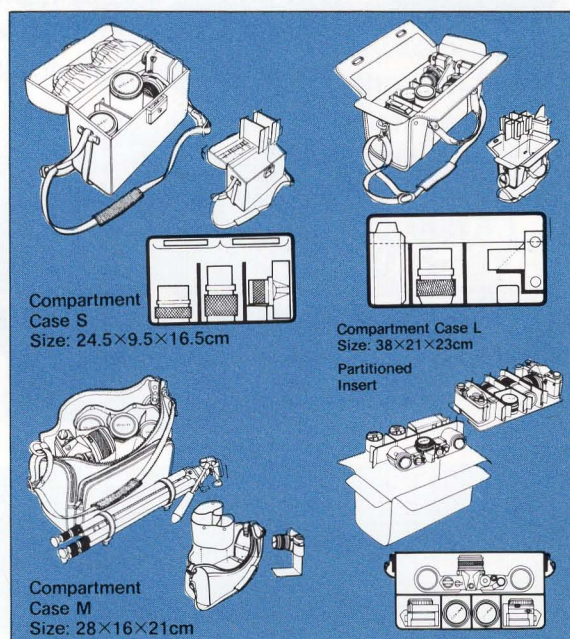


# The Case Group

# 68



In addition to a selection of soft, semi-hard and hard cases for the OM camera bodies with prime and similar sized lenses, the Case Group includes lens pouches and a series of three compartment cases. In the OM tradition of versatility, the Lens Pouch 200 accommodates lenses up to 200mm size. The partitions in the hard compartment cases S and L are adjustable to accept different varieties of equipment, and the Partitioned Insert available separately for the Compartment Case L is specially designed to accommodate motor drive units including the 250 Film Back 1. The group also includes a variety of shoulder straps.





# 69 OM-2 How

The customer may be first attracted to the OM-2 for a number of reasons: its reputation, advertising, store display materials, recommendation by a friend, etc.; or by the appearance, compactness, etc. of the camera itself. However, the best way to get him to fully appreciate the OM-2's unique performance is by showing him directly what it can do. We recommend the following demonstration technique:

1

Let the customer hold the OM-2. Point out that it is about a third lighter and smaller than previous conventional 35 SLR cameras. Draw his attention to the way the camera fits comfortably in his hands. Then ask him to feel the controls, noting their comfortably large size and convenient location.

3

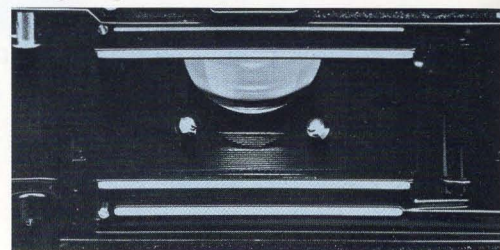
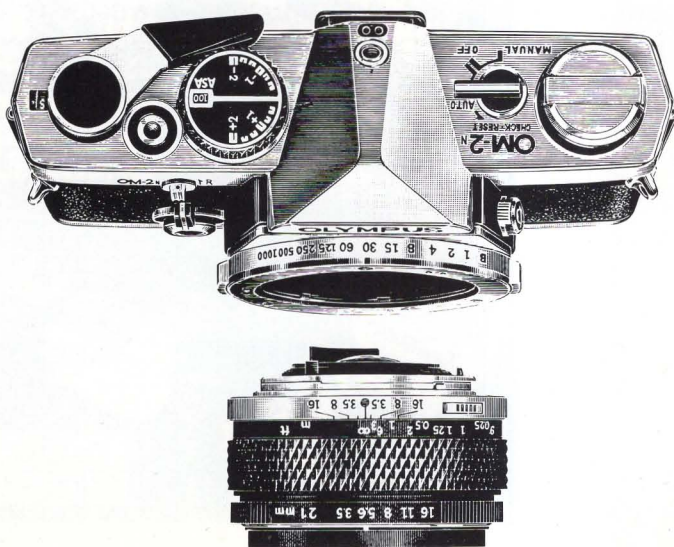
When he presses the shutter, remark on the light, smooth action, aided by the cushioning ring around the shutter button. Note also the remarkable quietness and smoothness of the camera itself, explaining that this is because of the air damper, ball bearing trains, shock absorbers, etc. used to soften the shutter/mirror action, and because of the high precision engineering.

2

Invite him to simulate taking a picture. (This is just an exercise. There is no need to load film in the camera.) Explain the steps: switching the selector lever to "AUTO," composing and focusing. Emphasize how easy and natural it is to handle the controls, and how smoothly and precisely they are adjusted.

4

Take back the camera, and hold your hand near the lens. Press the shutter button. The shutter should remain open for several seconds. Now repeat the procedure, but remove your hand after a moment. The shutter will close much faster, demonstrating the OM-2's ability to compensate for light changes during the exposure. Explain that this is because of the exclusive TTL Direct (OTF) Light measuring method, and explain in simple language how this works.



The OM-2's unique twin TTL Direct (OTF) Light Measuring sensors.



## System Function

Now attach a motor drive with control unit. Mention how quick and easy this is. Point the camera at a dark area, then pan, to take in a window or interior light, and pass again to a dark area, all the time operating the motor drive in SEQUENCE mode. At first there will be long intervals between the film advance. Then it will quicken at the bright subject, and slow down again as the subject becomes darker. This again demonstrates the OM-2's ability to compensate instantly for changes in light value and give completely accurate exposures for every frame even in motor drive operation.

Attach an Electronic Flash T20, and switch the flash unit on. Make sure the reversible back is set for "FULL-AUTOMATIC CONTROL BY OM-2," and point this out. When the full flash charge lamp lights on the flash and in the viewfinder, expose within the proper flash range. Show the customer the flickering lamp on the flash unit and LED in the viewfinder which confirm correct exposure. Repeat the experiment, but outside the flash range, showing that the lamp and LED do NOT flicker.

Demonstrate how quick and simple it is to change a lens, and invite the customer to do so for himself.

Demonstrate how focusing screens are changed. You can use this opportunity to explain the need for interchangeable focusing screens, and discuss the huge range of the OM System.

Other features you can demonstrate are the quick, positive film loading, and the cassette retaining plate on the camera back; the use of the Recordata Back; automatic flash switching between TTL Auto and Manual modes; automatic flash cut-out at shutter speeds above 1/60 sec., etc.

If the customer has a question you cannot answer offhand, refer again to this manual or to the OM-2 or OM System catalog. You will also find the OM-2 useful in providing an easily understood explanation of OM-2 function.

Do not hesitate to compare the OM-2 with other camera makes. This will help convince your customer that in terms of convenience, handling, compactness, 'feel,' automatic exposure capability, system versatility, etc., the OM-2 is indeed without rival.



# OM-1

## How to D

When you sell over a million cameras, you must be doing something right. And a million satisfied customers is one very potent sales argument for the OM-1. It's not only the first compact, 'professional' 35SLR — among full exposure control system cameras it is still without rival.

Convince your customers as follows. You'll find it surprisingly easy.

1

Show the customer the OM-1 next to a conventional top quality, full system 35SLR. Let him compare the two for size and weight.

2

Now add a motor drive and two or three interchangeable lenses from each respective system. The greater convenience of the OM-1 is even more striking.

3

Get the customer to compare viewfinder images. The screen in the OM-1 is so much bigger and brighter.

4

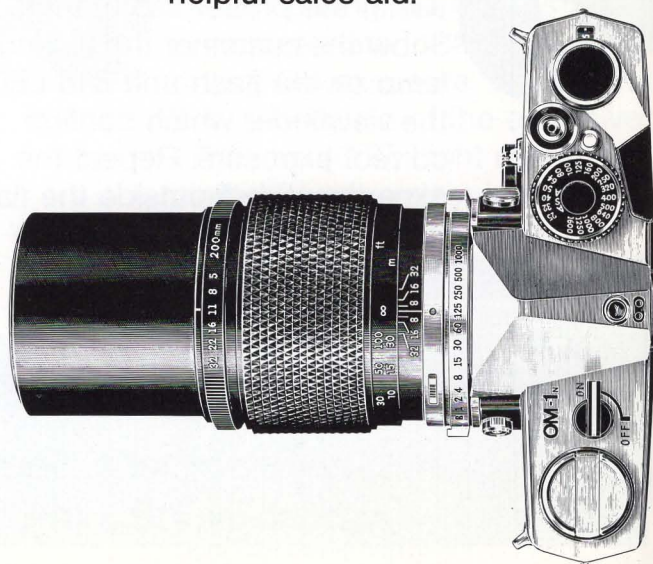
Explain that the OM-1 is only smaller on the outside. All the essential parts are as big, tough and reliable as in the heavy, bulky, conventional 35SLR. Or more so.

5

The same goes for the controls. When the customer simulates taking a picture, draw his attention to the smooth, precise feel of focus, aperture and shutter speed rings. All operated with one hand to leave the 'shutter finger' free for instant action. Point out how smoothly and naturally the shutter button is depressed, and how much quieter the OM-1 is, compared to other SLRs.

6

Stress the performance of the OM-1 and OM System, noting that this system is also perhaps the most comprehensive and versatile photo system ever created. When making this explanation, you will find the OM System Counter Mats a very helpful sales aid.





## 7

Point out that many professionals, including top press and photo agencies, have switched to the OM-1 precisely because of its superior handling, performance, versatility, reliability and toughness.

## 9

Demonstrate the unique flash indicator in the viewfinder. With the Electronic Flash T20, a viewfinder LED lights to full flash charge, then flickers to confirm correct flash exposure AFTER the photo is taken.

## 10

Explain that since it was first introduced, the OM-1 has been steadily improved in countless details, based directly on the experience of over a million users in every conceivable kind of photographic situation.

If your customer asks about newer compact 35SLRs, let him see for himself. Not one is significantly smaller or lighter, and none have the precision 'feel' or performance of the OM-1.

Then compare the equipment competitors offer. How many can provide 5-frame-per-second motor drive or three-frame-per-second winder? How many provide interchangeable focusing screens (the OM-1 has 14)? How many offer more than 30 outstanding lenses? How many make even macrophotography, photomicrography and other advanced techniques perfectly simple?

Mention also that the OM-1 uses exactly the same OM System as the OM-2. (So does the OM-10, although it will not accept certain of the more specialized units.)

Your customer will be convinced the OM-1 is indeed without rival in these important fields.



Every year sees a spate of new 35SLRs, many of them strongly influenced by the OM concept. But the OM-1 is still as popular as ever, especially with people who really know photography.

That's something worth thinking about.



# 73 OM-10 Ho

The OM-10 is so fantastically easy to use, it's great to demonstrate too. The following simple steps are all that's needed to get perfect pictures:

## Simple snapshots

1

Compose the picture and focus.

2

Activate the viewfinder LED shutter speed display by switching the selector knob to AUTO, lightly pressing the shutter button or the projecting switch beside it.

3

Ensure that the shutter speed is suitable, or adjust by varying the lens aperture.

4

Shoot.



## World's first audio-visual system

But the OM-10 is also remarkably versatile. Show the customer how moving the selector knob to CHECK activates the world's first audio-visual warning (super bright LED plus Piezoelectric Ceramic Vibrator [PCV]). And how the same mechanism provides an intermittent indication of self-timer operation.

## Foolproof flash

Demonstrate flash photography with the Electronic Flash T20. Slipping the flash into the hot shoe and switching it on automatically selects the correct 1/60 sec. shutter speed. Then picking one of the two aperture settings automatically assures correct exposure. Look into the camera viewfinder. When the flash is fully charged, an LED indicator lights up. When the photo is correctly exposed, the LED blinks for several seconds, directly AFTER the picture is taken. Then switch the flash OFF. It can be left on the camera for available-light photography, without the least risk of firing.



## Fast winder

Demonstrate use of the Winder 1. It attaches in seconds, then provides a super-fast film advance of 0.3 second per frame, as fast as many full-fledged motor drives.

## Quick lens changing

Demonstrate how quickly and easily lenses can be changed, with full automatic indexing guaranteed just by twisting them in place.

## Super compact camera & system

Point out that the OM-10 is the lightest, and one of the smallest, 35 SLRs in the world, with a top-performance, super light and compact system to match. And that the system is the very same OM System that helped win such praise for the OM-1 and OM-2.

## Extra easy operation

Show how easy the film is to load, pointing out the ratchet type film advance that lets you wind on with multiple short strokes or one longer one. Show how easy and effortless it is to rewind, even with other system units attached.

## Quality first

Stress the quality 'feel' and quality construction of the OM-10, by the people who originated the "Compact 35 SLR" concept.

## Advanced electronics for unerring accuracy

And emphasize the superbly sophisticated electronics, and the unerringly accurate TTL Direct (OTF) Light measuring method, that assure perfect results every time you press the shutter.

Don't forget the demonstration technique. You'll need it again when your customer brings his friends.



- Getting the best out of this Manual .....8
- The OLYMPUS story .....9
- The creation of the OM System .....11
- The 35 SLR market .....13
- A 35 SLR for every customer .....15
- Quick comparison chart: OM camera performance point by point .....17

## OM-2

- Quick introduction .....1
- Development goal .....21
- Centralized Control System for total mode automation .....23
- New features .....25
- Nomenclature .....27
- Q & A .....28
- How to demonstrate the OM-2 .....69

## OM-1

- Quick introduction .....2
- Design concept .....31
- Top selling points .....33
- Nomenclature .....35
- New features .....36
- Q & A .....37
- How to demonstrate the OM-1 .....71

## OM-10

- Quick introduction .....3
- Development goal .....39
- Top selling points .....41
- Nomenclature .....43
- Q & A .....44
- How to demonstrate the OM-10 .....73

## OM System

- Introduction .....19
- Lenses .....47
- Q & A .....49
- Motor drive & winder .....51
- Q & A .....53
- Flash .....55
- T20 quick introduction .....4
- Centralized Control Flash with the T20 .....57
- T20 specifications .....57
- T20 features .....58
- Q & A .....59
- Finder group .....61
- Q & A .....62
- Macrophoto group .....64
- Q & A .....64
- Photomicro group .....65
- Phototechnical group .....67
- Case group .....68



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