

**YASHICA**

# **Yashica ML Interchangeable Lenses**



## Interchangeable Yashica Lenses

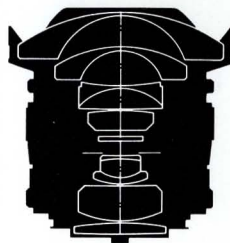
\*Specifications and exterior design subject to change without prior notice.

Lens	Composition	Angle of View	Min. Focus (m) (ft.)		Aperture range	Size (mm)	Weight (g)
ML Fish-Eye f/2.8 15 mm	10 - 7	170°	0.3	1	f/2.8 ~ 16	75 x 70.5	445
ML f/3.5 21 mm	12 - 8	91°	0.3	1	f/3.5 ~ 16	75 x 54	370
ML f/2.8 24 mm	9 - 8	84°	0.3	1	f/2.8 ~ 16	66 x 48.5	285
ML f/2.8 28 mm	7 - 6	75°	0.3	1	f/2.8 ~ 16	61.5 x 41.5	250
ML f/2.8 35 mm	6 - 5	63°	0.3	1	f/2.8 ~ 16	61.5 x 41.5	230
ML f/1.4 50 mm	7 - 6	46°	0.5	1.75	f/1.4 ~ 16	61.5 x 42	295
ML f/1.7 50 mm	6 - 5	46°	0.5	1.75	f/1.7 ~ 16	61.5 x 40	240
ML f/2 50 mm	6 - 4	46°	0.5	1.75	f/2 ~ 16	61 x 32	140
ML f/1.2 55 mm	7 - 6	43°	0.5	1.75	f/1.2 ~ 16	66.5 x 50	410
ML f/2.8 135 mm	5 - 4	18°30'	1.5	5	f/2.8 ~ 22	63 x 75	420
ML f/4 200 mm	5 - 4	12°30'	2.5	8	f/4 ~ 22	64 x 113.5	535
ML f/5.6 300 mm	6 - 3	8°30'	4.5	15	f/5.6 ~ 22	66 x 147.5	645
ML Reflex f/8 500 mm	8 - 6	5°	2.5	10	f/8 only	78 x 87.5	470
Reflex f/11 1000 mm	6 - 5	2°30'	8	25	f/11 only	118 x 220	2,330
ML Zoom f/3.5 28~50 mm	10 - 8	74°~48°	1.0	3.5	f/3.5 ~ 22	75 x 74.5	475
ML Zoom f/4 35~70 mm	7 - 7	64°~35°	0.6	2	f/4 ~ 22	67 x 71	390
ML Zoom f/3.5~4.5 35~105 mm	15 - 11	64°~23°40'	1.5	5	f/3.5 ~ 22	65 x 84.5	470
ML Zoom f/3.5~4.5 42~75 mm	7 - 7	53°~33°	1.2	3.9	f/3.5 ~ 22	61 x 57	315
ML Zoom f/4 75~150 mm	12 - 9	30°~16°30'	1.5	5	f/4 ~ 22	63.5 x 115.5	485
ML Zoom f/4 80~200 mm	12 - 9	30°~12°20'	1.9	6.3	f/4 ~ 22	65 x 133	610
ML Zoom f/5.6 100~300 mm	13 - 10	24°~8°30'	1.5 (Reproduction ratio 1:4)	5	f/5.6 ~ 32	68.5 x 192.5	850
ML Macro f/2.8 55 mm	6 - 4	43°	0.25	10 in	f/2.8 ~ 22	61.5 x 56.5	305
ML Macro f/3.5 100 mm	6 - 4	24°	0.44	1.5	f/3.5 ~ 22	67 x 77	430
ML Bellows f/4 100 mm	5 - 3	24°	—	—	f/4 ~ 32	60 x 32	190
Medical 100 Macro f/4 100 mm	5 - 3	24°	0.147	6 in	f/4 ~ 22	94.5 x 155.5	1,000



## YASHICA LENS ML Fisheye f/2.8 15mm w/CASE

Price

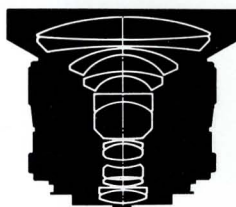


A large aperture, full frame fisheye lens which is ideal for creating spatial and perspective effects of an unusual nature. Features built-in filters and lens shade.

- **Lens Composition:** 10 elements in 7 groups
- **Angular Field:** 170°
- **Minimum Focus:** 0.3m (1 ft.)
- **Aperture Range:** f/2.8 — f/16
- **Diaphragm Action:** Fully automatic
- **Filter:** Built-in turret type (1A, Y48, & O56)
- **Lens Shade:** Built-in type
- **Lens Case:** 80A
- **Lens Cap:** 75mm Slip-on type
- **Size:** 75 x 70.5mm (3 x 2-3/4 in.)
- **Weight:** 445 grams (15.7 ozs.)

## YASHICA LENS ML f/3.5 21mm w/CASE

Price



A super wideangle lens of the most advanced design. The highest performance is assured under all light conditions. And a wide variety of spatial and perspective effects are possible without excessive distortion.

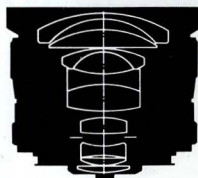
- **Lens Composition:** 12 elements in 8 groups
- **Angular Field:** 91°
- **Minimum Focus:** 0.3m (1 ft.)
- **Aperture Range:** f/3.5 — f/16
- **Diaphragm Action:** Fully automatic
- **Filter:** 72mm screw-in type
- **Lens Shade:** 75mm slip-on type
- **Lens Case:** 80A
- **Lens Cap:** 75mm slip-on type
- **Size:** 75 x 54mm (3x2-1/8 in.)
- **Weight:** 370 grams (13.1 ozs.)

## YASHICA LENS ML f/2.8 24mm w/CASE

Price

The favorite of many photographers because of the large aperture and wide coverage which makes it useful for an enormous range of applications. Emphasizes depth and spatial relations.

- **Lens Composition:** 9 elements in 8 groups
- **Angular Field:** 84°
- **Minimum Focus:** 0.3m (1 ft.)
- **Aperture Range:** f/2.8 – f/16
- **Diaphragm Action:** Fully automatic
- **Filter:** 62mm screw-in type
- **Lens Shade:** 62mm screw-in type available
- **Lens Case:** 70A
- **Lens Cap:** 65mm slip-on type
- **Size:** 65 x 48.5mm (2-9/16 x 1-15/16 in.)
- **Weight:** 285 grams (10.1 ozs.)

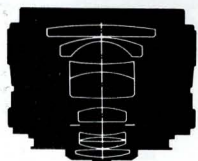


## YASHICA LENS ML f/2.8 28mm w/CASE

Price

One of the most popular wideangle lenses. Provides a wide field of view with minimum distortion for easy handling. Advanced optical design assures uniform field illumination.

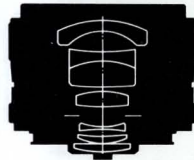
- **Lens Composition:** 7 elements in 6 groups
- **Angular Field:** 75°
- **Minimum Focus:** 0.3m (1 ft.)
- **Aperture Range:** f/2.8 – f/16
- **Diaphragm Action:** Fully automatic
- **Filter:** 52mm screw-in type
- **Lens Shade:** 54mm slip-on type
- **Lens Case:** 70A
- **Lens Cap:** 52mm Clip-on type
- **Size:** 61.5 x 41.5mm (2-7/16 x 1-5/8 in.)
- **Weight:** 250 grams (8.8 ozs.)





## YASHICA LENS ML f/2.8 35mm w/CASE

Price

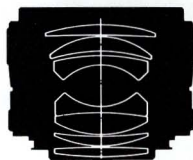


Used as a standard lens by many photographers due to the moderately wide field of view. Can be utilized in almost any situation. The great depth-of-field is convenient for fast shooting where there is little time for precise focusing.

- **Lens Composition:** 6 elements in 5 groups
- **Angular Field:** 63° • **Minimum Focus:** 0.3m (1 ft.)
- **Aperture Range:** f/2.8 — f/16 • **Diaphragm Action:** Fully automatic
- **Filter:** 52mm screw-in type • **Lens Shade:** 54mm slip-on type
- **Lens Case:** 70A • **Lens Cap:** 52mm Clip-on type
- **Size:** 61.5 x 41.5mm (2-7/16 x 1-5/8 in.) • **Weight:** 230 grams (8.1 ozs.)

## YASHICA LENS ML f/1.4 50mm

Price



The perfect combination of high speed and high image quality. Field illumination is uniform at all apertures. An all-round lens for practically all purposes.

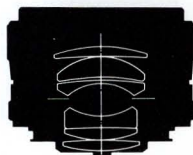
- **Lens Composition:** 7 elements in 6 groups
- **Angular Field:** 46° • **Minimum Focus:** 0.5m (1.75 ft.)
- **Aperture Range:** f/1.4 — f/16 • **Diaphragm Action:** Fully automatic
- **Filter:** 52mm screw-in type • **Lens Shade:** 54mm slip-on type
- **Lens Case:** 70A (optional) • **Lens Cap:** 52mm Clip-on type
- **Size:** 61.5 x 42mm (2-7/16 x 1-11/16 in.) • **Weight:** 295 grams (10.4 ozs.)

## YASHICA LENS ML f/1.7 50mm

Price

A light, compact standard lens with superb sharpness. Useful for general work as well as for close-up work with the aid of accessories.

- **Lens Composition:** 6 elements in 5 groups
- **Angular Field:** 46° • **Minimum Focus:** 0.5m (1.75 ft.)
- **Aperture Range:** f/1.7 — f/16
- **Diaphragm Action:** Fully automatic
- **Filter:** 52mm screw-in type
- **Lens Shade:** 54mm slip-on type
- **Lens Case:** 70A (optional)
- **Lens Cap:** 52mm Clip-on type
- **Size:** 61.5 x 40mm (2-7/16 x 1-5/8 in.)
- **Weight:** 240 grams (8.5 ozs.)

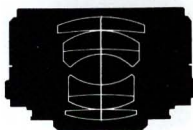


## YASHICA LENS ML f/2 50mm

Price

A new, economical addition to the Yashica lens line. Performance is excellent while the lens is compact and lightweight for easier handling.

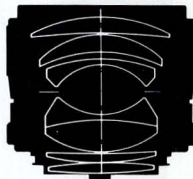
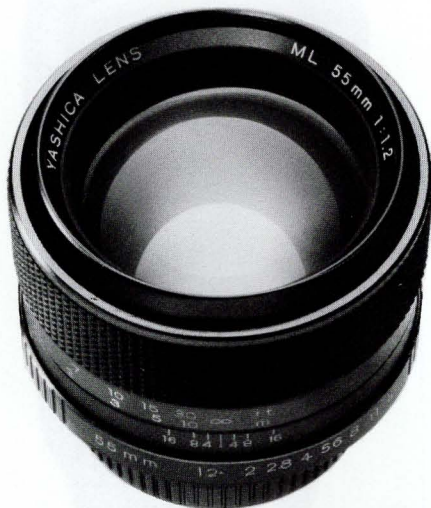
- **Lens Composition:** 6 elements in 4 groups
- **Angular Field:** 46° • **Minimum Focus:** 0.5m (1.75 ft.)
- **Aperture Range:** f/2 — f/16
- **Diaphragm Action:** Fully automatic
- **Filter:** 52mm screw-in type
- **Lens Shade:** 54mm slip-on type
- **Lens Case:** 70A (optional)
- **Lens Cap:** 52mm Clip-on type
- **Size:** 61 x 32mm (2-3/8 x 1-1/4 in.)
- **Weight:** 140 grams (4.9 ozs.)





## YASHICA LENS ML f/1.2 55mm

Price

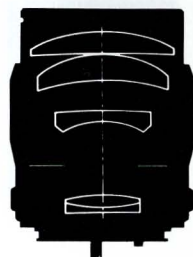


An ultra-fast standard lens for low light conditions. Featured are uniform field illumination and corner-to-corner sharpness at all apertures due to the highly advanced optical design.

- **Lens Composition:** 7 elements in 6 groups
- **Angular Field:** 43° • **Minimum Focus:** 0.5m (1.75 ft.)
- **Aperture Range:** f/1.2 — f/16
- **Diaphragm Action:** Fully automatic
- **Filter:** 55mm screw-in type
- **Lens Shade:** 57mm slip-on type
- **Lens case:** 70A (optional)
- **Lens Cap:** 55mm Clip-on type
- **Size:** 66.5 x 50mm (2-5/8 x 2 in.)
- **Weight:** 410 grams (14.5 ozs.)

## YASHICA LENS ML f/2.8 135mm w/CASE

Price



One of the most widely used of all telephoto lenses. Handles most situations with ease and can be used hand-held without fear of blurring.

- **Lens Composition:** 5 elements in 4 groups
- **Angular Field:** 18°30' • **Minimum Focus:** 1.5m (5 ft.)
- **Aperture Range:** f/2.8 — f/22
- **Diaphragm Action:** Fully automatic
- **Filter:** 52mm screw-in type
- **Lens Shade:** Built-in type
- **Lens Case:** 70A-2
- **Lens Cap:** 57mm slip-on type
- **Size:** 63 x 75mm (2-1/2 x 3 in.)
- **Weight:** 420 grams (14.8 ozs.)

## YASHICA LENS ML f/4 200mm w/CASE

Price

Producing sharp, crisp images, this telephoto delivers the "reach" required for sports and outdoor shooting. Can be used hand-held with relatively fast shutter speeds.

- **Lens Composition:** 5 elements in 4 groups
- **Angular Filed:** 12°30' • **Minimum Focus:** 2.5m (8 ft.)
- **Aperture Range:** f/4 — f/22
- **Diaphragm Action:** Fully automatic • **Filter:** 58mm screw-in type
- **Lens Shade:** Built-in type
- **Lens Case:** 70B-2 • **Lens Cap:** 60mm slip-on type
- **Size:** 64 x 113.5mm (2-1/2 x 4-1/2 in.)
- **Weight:** 535 grams (18.9 ozs.)

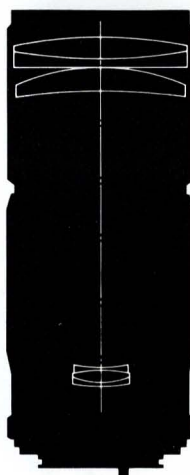


## YASHICA LENS ML f/5.6 300mm w/CASE

Price

The most popular super-telephoto lens for most photographers. Provides sharp results with the "reach" to bring faraway subjects in close. Special effects can be produced through compression of space.

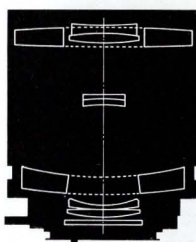
- **Lens Composition:** 6 elements in 3 groups
- **Angular Filed:** 8°30' • **Minimum Focus:** 4.5m (15 ft.)
- **Aperture Range:** f/5.6 — f/22
- **Diaphragm Action:** Fully automatic • **Filter:** 58mm screw-in type
- **Lens Shade:** Built-in type
- **Lens Case:** 70C • **Lens Cap:** 60mm slip-on type
- **Size:** 66 x 147.5mm (2-5/8 x 5-13/16 in.)
- **Weight:** 645 grams (22.8 ozs.)





## YASHICA LENS ML Reflex f/8 500mm w/CASE

Price

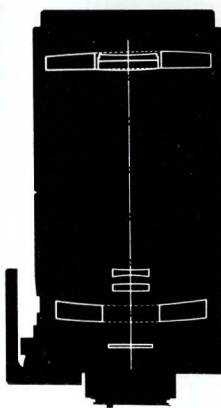


This new version of Yashica's original reflex lens features more compact size and reduced weight, along with multi-coating for improved optical performance. Closer focusing capability provides wider creative potential.

- **Lens Composition:** 8 elements in 6 groups
- **Angular Field:** 5° ● **Minimum Focus:** 2.5m (10 ft.) ● **Aperture Range:** f/8 only ● **Diaphragm Action:** No diaphragm ● **Filter:** Slide-in type; 4-filter set supplied (NORMAL, ND4X, Y52, R60) ● **Lens Shade:** Screw-in type ● **Lens Case:** 90R, Leather ● **Lens Cap:** 82mm slip-on type
- **Size:** 78 x 87.5mm (3-1/16 x 3-7/16 in.)
- **Weight:** 470 grams (1.04 lbs.)

## YASHICA LENS Reflex f/11 1000mm w/CASE

Price



Great for really large magnification of faraway subjects. This super-telephoto lens is relatively light for its performance, so can be carried easily on trips.

- **Lens composition:** 6 elements in 5 groups
- **Angular field:** 2°30' ● **Minimum focus:** 8 m (25 ft.) ● **Filter:** Built-in turret type (1A, Y48, O56 & R60) ● **Lens shade:** Built-in ● **Size:** 118 x 220 mm (4-5/8 x 8-11/16 in.) ● **Weight:** 2,330 grams (5.1 lbs.) ● **Lens case:** 140R ● **Lens cap:** 108mm slip-on type

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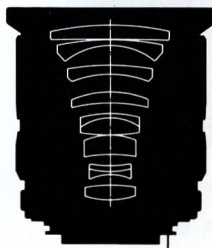
## YASHICA LENS ML Zoom f/3.5 28~50mm w/CASE

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Price

A highly useful wide angle/standard lens range zoom lens. Uniform correction of aberration assures high resolution and contrast at all focal lengths. Perfect for group shots, scenic photography and many other uses.

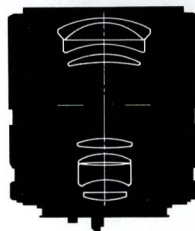
- **Lens Composition:** 10 elements in 8 groups
- **Angular Field:** 74°—48°
- **Minimum Focus:** 1m (3.5 ft.)
- **Aperture Range:** f/3.5 — f/22
- **Diaphragm Action:** Fully automatic
- **Focus & Zoom:** Dual controls
- **Filter:** 72mm screw-in type
- **Lens Shade:** 75mm slip-on type
- **Lens Case:** 80A
- **Lens Cap:** 75mm slip-on type
- **Size:** 75 x 74.5mm (3 x 2-15/16 in.)
- **Weight:** 475 grams (1.05 lbs.)





## YASHICA LENS ML ZOOM f/4 35~70mm w/CASE

Price

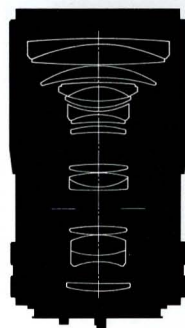


An extremely small and lightweight wide angle to portrait zoom featuring twin control and extreme optical precision. Close focusing capability enhances creative possibilities.

- **Lens Composition:** 7 elements in 7 groups
- **Angular Field:** 64° — 35° • **Minimum Focus:** 0.6m (2 ft.)
- **Aperture Range:** f/4 — f/22
- **Diaphragm Action:** Fully automatic • **Focus & Zoom:** Dual controls
- **Filter:** 55mm screw-in type
- **Lens Case:** 80A, Leather • **Lens Cap:** 57mm slip-on type
- **Size:** 67 x 71mm (2-5/8 x 2-3/4 in.)
- **Weight:** 390 grams (13.8 ozs.)

## YASHICA LENS ML ZOOM f/3.5~4.5 35~105mm w/CASE

Price



This 3X coverage lens offers creative capabilities ranging from popular wide angle to medium telephoto in a single package designed for excellent optical performance with lightness and compactness. The perfect choice for the fast-moving photographer, with 'one-touch' control and macro-focusing capability.

- **Lens Composition:** 15 elements in 11 groups
- **Angular Field:** 64° — 23°40'
- **Minimum Focus:** 1.5m (5 ft.) Macro mode 0.3m (1:5.7)
- **Aperture Range:** f/3.5 — f/22
- **Diaphragm Action:** Fully automatic
- **Focus & Zoom:** One-touch operation
- **Filter:** 55mm screw-in type
- **Lens Case:** 70A-2, Leather
- **Lens Cap:** 57mm slip-on type
- **Size:** 65 x 84.5mm (2-9/16 x 3-5/16 in.)
- **Weight:** 470 grams (16.6 ozs.)

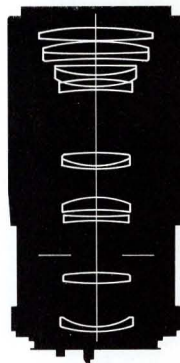


## YASHICA LENS ML ZOOM f/4 75 ~ 150mm w/CASE

Price

An extraordinarily versatile lens covering the range from portrait to telephoto and excellent for a wide variety of applications such as landscape, sports or candid photography. The 'one-touch' control and compact construction make it fast and easy to use, while the light weight means total portability.

- **Lens Composition:** 12 elements in 9 groups
- **Angular Field:** 32° — 16°30'
- **Minimum Focus:** 1.5m (5 ft.)
- **Aperture Range:** f/4 — f/22
- **Diaphragm Action:** Fully automatic
- **Focus & Zoom:** One-touch operation
- **Filter:** 52mm screw-in type
- **Lens Case:** 70B-2, Leather
- **Lens Cap:** 54mm slip-on type
- **Size:** 63.5 x 115.5mm (2-1/2 x 4-1/2 in.)
- **Weight:** 485 grams (17.1 ozs.)

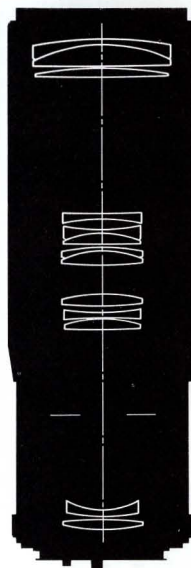


## YASHICA LENS ML ZOOM f/5.6 100 ~ 300mm w/CASE

Price

A compact 'telephoto' zoom that lets the photographer handle all the challenges of precision photography under action conditions, or concentrate on pulling in added detail in long-range subjects. One-touch operation combines with a 3X zoom ratio plus Macro capability for convenience and great performance.

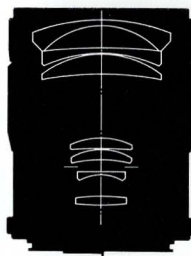
- **Lens Composition:** 13 elements in 10 groups
- **Angular Field:** 24° — 8°30'
- **Minimum Focus:** 1.5m (5 ft.)
- **Macro Capability:** 300mm at 1.5m (1:4)
- **Aperture Range:** f/5.6 — f/32
- **Diaphragm Action:** Fully automatic
- **Focus & Zoom:** One-touch operation
- **Filter:** 58mm screw-in type
- **Lens Case:** 70D, Leather
- **Lens Cap:** 60mm slip-on type
- **Size:** 68.5 x 192.5mm (2-11/16 x 7-9/16 in.)
- **Weight:** 850 grams (30.0 ozs.)





## YASHICA LENS ML Zoom f/3.5~4.5 42~75mm w/CASE

Price

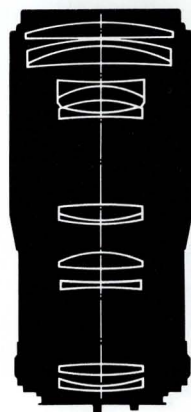


A compact zoom lens that provides a range from just under that of a standard lens to short telephoto. Great for portraits and other close range work. Features one-touch focusing and zooming operation.

- **Lens Composition:** 7 elements in 7 groups
- **Angular Field:** 53° – 33° • **Minimum Focus:** 1.2m (3.9 ft.) • **Aperture Range:** f/3.5 – f/22
- **Diaphragm Action:** Fully automatic • **Focus & Zoom:** One-touch operation • **Filter:** 55mm screw-in type • **Lens Shade:** Contax Metal Hood No. 3 with 55/86 Ring
- **Lens Case:** 70A • **Lens Cap:** 57mm slip-on type • **Size:** 61 x 57mm (2-3/8 x 2-1/4 in.)
- **Weight:** 315 grams (11.1 ozs.)

## YASHICA LENS ML Zoom f/4 80~200mm w/CASE

Price



One of the most used telephoto zooms, this lens is ideal for sports or wildlife photography as well as for portraits. Features a "one-touch" zoom/focus control for fast, efficient operation.

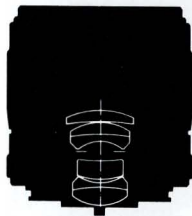
- **Lens Composition:** 12 elements in 9 groups
- **Angular Field:** 30° – 12°20' • **Minimum Focus:** 1.9m (6.3 ft.) • **Aperture Range:** f/4 – f/22
- **Diaphragm Action:** Fully automatic
- **Focus & Zoom:** One-touch operation • **Filter:** 55mm screw-in type • **Lens Shade:** Contax Metal Hood No. 4 with 55/86 Ring or 57mm slip-on type
- **Lens Case:** 70B-2 • **Lens Cap:** 57mm slip-on type • **Size:** 65 x 133mm (2-9/16 x 5-1/4 in.)
- **Weight:** 610 grams (1.3 lbs.)

## YASHICA LENS ML Macro f/2.8 55mm w/CASE

Price

This unusually fast macro lens focuses down to 25 cm with ease because of the large aperture. Maximum magnification is 1:2 with the lens alone but 1:1 is possible using the 27 mm extension tube. The lens is deeply inset to eliminate the need for a lens shade.

- **Lens Composition:** 6 elements in 4 groups
- **Angular Field:** 43°
- **Minimum Focus:** 0.25m (10 in.)
- **Aperture Range:** f/2.8 – f/22
- **Diaphragm Action:** Fully automatic
- **Maximum Magnification:** 1:2 (increased to life-size with 27mm Auto Extension Tube No. 3)
- **Filter:** 52mm screw-in type
- **Lens Shade:** 54mm slip-on type
- **Lens Case:** 70A
- **Lens Cap:** 52mm clip-on type
- **Size:** 61.5 x 56.5mm (2-7/16 x 2-1/4 in.)
- **Weight:** 305 grams (10.8 ozs.)

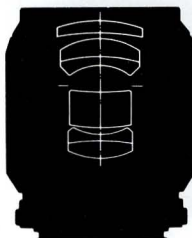


## YASHICA LENS ML Macro f/3.5 100mm w/CASE

Price

With continuous focusing from 44 cm to infinity, this lens can be used for both macrophotography and as a short telephoto. Provides an ample working distance for close-up work. Also useful for portraits.

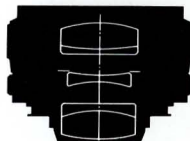
- **Lens Composition:** 6 elements in 4 groups
- **Angular Field:** 24°
- **Minimum Focus:** 0.44m (1.5 ft.)
- **Aperture Range:** f/3.5 – f/22
- **Diaphragm Action:** Fully automatic
- **Maximum Magnification:** 1:2 [increased to life-size with Auto Extension Tubes Nos. 2 (20mm) and 3 (27mm)]
- **Filter:** 55mm screw-in type
- **Lens Shade:** 57mm slip-in type
- **Lens Case:** 70A-2
- **Lens Cap:** 57mm slip-on type
- **Size:** 67 x 77mm (2-5/8 x 3-1/16 in.)
- **Weight:** 430 grams (15.2 ozs.)





## YASHICA LENS ML Bellows f/4 100mm w/CASE

Price



A compact, universal type lens for use with a bellows for extreme close-ups. Can also be focused to infinity for use in normal photography.

- **Lens Composition:** 5 elements in 3 groups
- **Angular Field:** 24° ● **Minimum Focus:** No focusing helicoid (Max. amgnification: M1.4:1) w/Auto Bellows
- **Aperture Range:** f/4 — f/32
- **Diaphragm Action:** Instantaneous stop-down
- **Filter:** 52mm screw-in type ● **Lens Shade:** 54mm slip-on type
- **Lens Case:** 70A ● **Lens Cap:** 52mm clip-on type
- **Size:** 60 x 32mm (2-3/8 x 1-1/4 in.)
- **Weight:** 190 grams (6.7 ozs.)

\* For use with bollows only.

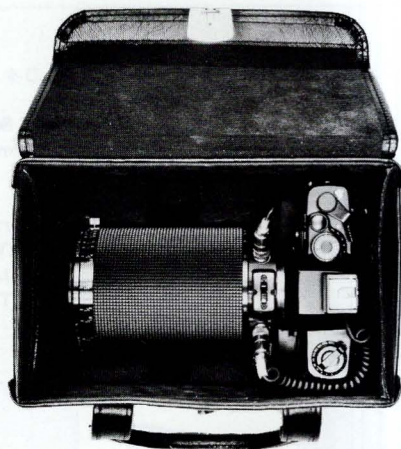
## YASHICA MEDICAL 100 DX MACROPHOTO SYSTEM

Set Price



• Medical 100 Lens  
Price .....

• DC Pack  
Price .....



• Carrying Case  
Price .....

The Yashica Medical 100 DX System, centering around the Medical 100 Lens, is a precision optical system designed to provide perfect photographic reproduction of medical, dental and other scientific subjects. It also produces high-quality precision photographs for industrial design and other areas of close-up work.

Designed as a comprehensive, self-contained system, the Medical 100 features an integral ringflash unit with external power supply; and comes complete with all required equipment, ready for use in a portable carrying case which holds the unit attached to the camera body (with or without winder).

One of the unique features of the system is continuously variable focusing between magnification ratios of 1:15 to 1:1, allowing selection of the exact magnification ratio suited to the subject being photographed. Precise ratio settings are engraved on the lens barrel, which can be locked into place for photography at a predetermined magnification through a convenient setscrew. The 100mm effective focal length of the lens allows ample working distance between the subject and the camera so as to not interfere with continuing medical/scientific work on the subject.

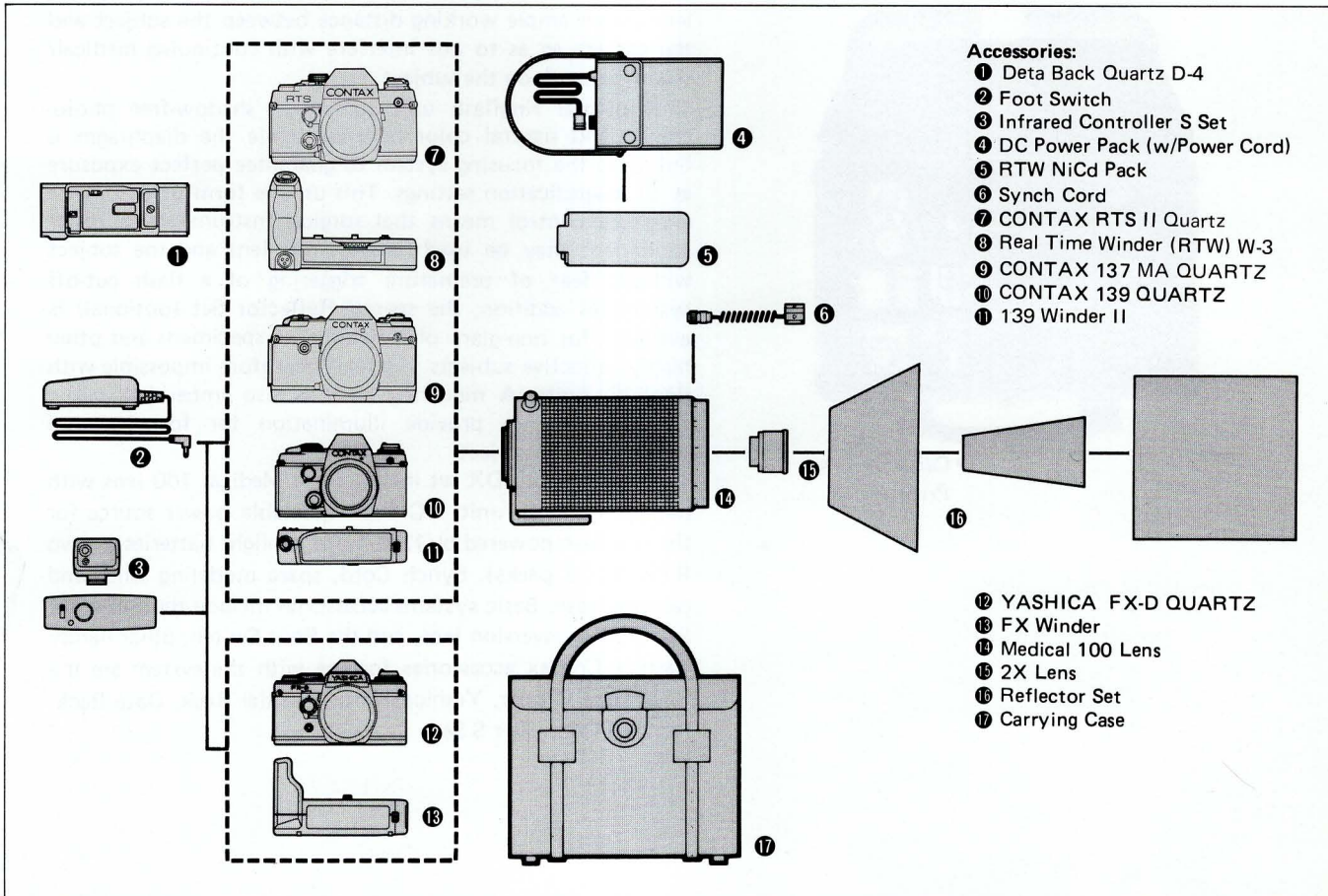
The integral ringflash unit guarantees shadow-free photographs and natural color balance, while the diaphragm is linked to the focusing system to guarantee perfect exposure at all magnification settings. This unique form of automatic exposure control means that surgical instruments or other equipment may be used between the lens and the subject without fear of premature triggering of a flash cut-off system. In addition, the special Reflector Set (optional) is available for non-glare photographs of specimens and other highly reflective subjects — a feat heretofore impossible with ringflash units. A modeling lamp is also embedded in the ringflash unit to provide illumination for focusing and previewing the subject.

The Medical 100 DX set includes the Medical 100 lens with built-in ringflash unit, DC Pack (portable power source for the ringflash powered by 12 AA-size penlight batteries or two RTW Ni-Cd packs), Synch Cord, spare modeling lamp and carrying case. Basic systems accessories include the Reflector Set, a 2X conversion lens, and the Foot Switch; other handy Yashica/Contax accessories for use with the system are the Real Time Winder, Yashica Winder, Initial Back, Data Back, Infrared Controller S Set.



Lens	
• Focal Length:	100 mm
• Lens Composition:	5 elements in 3 groups
• Angular Field:	24°
• Aperture Range:	f/4 ~f/22 (coupled to magnification ratio).
• Distance Scale:	Indicated by magnifications
• Magnification Scale:	1/1-1/1.2-2/3-1/1.8-1/2.5-1/3-1/3.5- 1/4-1/5-1/6-1/8-1/10-1/12-1/15
• Picture-Taking Area:	24 x 36mm ~360 x 540 mm (down to 12 x 18 mm with 2X Lens)
• Working Distance:	14.7 ~150 cm (from lens front)
• Filter Size:	35.5 mm screw-in type
• Hood Attachment Size:	90 mm
• Dimensions & Weight:	94.5mmφ x 155.5 mm (3-3/4 x 6-1/8 in.), 1000 grams (2.2 lbs.)

Flash:	
• Light Source:	Ring-shaped xenon discharge tube with Fresnel lens cover
• Maximum output:	Approx. 23W, equivalent to Guide Number 6.5 (ASA 100/meters)
• Flash Duration:	1/1500 sec
• Recycling Time:	Approx. 1.5 sec with NiCd batteries, 2.5 sec with alkali-manganese batteries or AC current, 3 sec with manganese batteries (for ASA 100 film; higher film speed for shorter recycling time)
• Power Sources:	DC Power Pack (9v); powered by 6 alkaline, manganese or 2 RTW NiCd Packs
• Number of Flashes:	Approx. 550 (alkali-manganese batteries) Approx. 250 (manganese batteries) Approx. 120 (NiCd batteries)
• Film Speed Range:	ASA 25-400 with 1/3 intermediate steps
• Modeling Lamp:	6V 3W, interchangeable



## Medical 100 DX Macrophoto System

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### 2X LENS

Price

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A conversion lens which mounts to the rim of the Medical 100 Lens to double the magnification ratio of the master lens.

- Size: 37 x 31mm (1-7/16 x 1-1/4 in.)
- Weight: 31g (1.1 ozs)

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### FOOT SWITCH

Price

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The Foot Switch is used for convenient switching on and off of the ringflash of the Medical 100 Lens when both hands are busy with other operations. It saves valuable time and eliminates fumbling during complicated medical/scientific work.

- Size: 80 x 82 x 30mm (3-1/8 x 3-1/4 x 1-3/16 in.)
  - Weight: 220g (7.7 ozs)
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## REFLECTOR SET

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Price

A special Reflector Set, developed exclusively for use with the Medical 100, which totally eliminates glare and mirror-images from highly reflective subjects. Provides perfect illumination of any subject while preventing crucial areas from reflecting the brightness of the ringflash. The set consists of two chrome-coated cone reflectors which attach to the Medical 100 Lens, and a third disposable reflector which folds in a circle around the subject to disperse light; 4-extra disposable reflectors are included along with an adapter ring for mounting the larger cone reflector when the lens barrel is extended.

The Reflector Set is of particular value for photographing medical and dental specimens which often produce troublesome reflections when photographed by ordinary flash photo methods.

