

Canon

CODE NO.
C12-8082-221

ITEM
EOS 630

FASTER AUTOFOCUS WITH FULLY INTEGRATED CAMERA CONTROL

EOS 630



SPECIFICATIONS

Type and Major Components

Type: 35mm focal plane shutter SLR (Single-Lens Reflex) camera with autofocus, auto exposure and built-in motor drive.

Lens Mount: Canon EF Mount (electronic signal transfer system).

Usable Lenses: Canon EF lenses.

Viewfinder: Fixed eye-level pentaprism. Gives 94% vertical and horizontal coverage of actual picture area and 0.8X magnification with 50mm lens at infinity.

Focusing Screen: New laser-matte screen with AF frame. Six optional interchangeable screens are available.

Shutter: Vertical-travel focal plane shutter with soft-touch electromagnetic release.

Shutter Speed: 1/2000-30 sec. and bulb. X-sync is 1/125 sec. Can be set in 1/2-step increments.

Autofocus

AF Control System: TTL-SIR (Secondary Image Registration) phase-detection type using BASIS (Base-Stored Image Sensor). Two modes available: One-shot and Servo with Focus Prediction. Manual focusing possible.

AF Working Range: EV1-18 at ISO 100.

AF Auxiliary Light: Specified Canon Speedlites automatically project light through an ultra-bright LED (peak sensitivity: 700nm).

Exposure Control

Light Metering: TTL full aperture metering using SPC (Silicon Photocell). Two metering patterns available: 6-Zone Evaluative Metering and Partial Metering (approx. 6.5% of the picture area).

Metering Range: EV-1-20 with f/1.4 lens at ISO 100 or equivalent.

Shooting Modes:

1. "Green Zone" full auto shooting mode with P.I.C. (7 settings)
2. Intelligent Program AE with Variable Program Shift Function
3. Depth-of-Field AE
4. Shutter-Priority AE
5. Aperture-Priority AE
6. Manual
7. Flash AE (A-TTL and TTL program flash AE with specified Canon Speedlites)

Exposure Compensation: + / - 5 steps in 1/2-step increments.

Auto Exposure Bracketting: + / - 5 steps in 1/2-step increments.

Three continuous exposures are taken in sequence: one under, one at the standard metered value and one over.

Depth-of-Field Preview: With Depth-of-Field Check Button.

Film Transport

Film Speed Setting: ISO 25-5000; automatically set in 1/3-step increments according to DX code. ISO 6-6400 can also be set manually.

Film Loading: Automatic (approx. 1 sec.).

Film Wind: Automatic. Two modes available: S (Single Frame) and C (Continuous at up to 5 frames per second).

Film Rewind: Automatic (approx. 6 sec. with 24-exp. film). Mid-roll rewind possible.

Power Source

Battery: One, six-volt lithium battery pack (2CR5).

Battery Check: By pressing the battery check button. Three energy levels are shown by bar marks in the display panel.

Shooting Capacity: (with 24-exp. film)

Temperature	Regular shooting	Continuous shooting
Normal (68°F/20°C)	75 rolls	150 rolls
Low (-4°F/-20°C)	8 rolls	15 rolls

Other

Remote Control: By using Grip GR-20 and Remote Switch 60T3.

Data Display: In the viewfinder and LCD display panel.

Multiple Exposures: Up to nine exposures can be preset.

Self-Timer: Electronically controlled with a 10-sec. delay.

Dimensions

Size: 5-13/16" (W) × 4-1/4" (H) × 2-5/8" (D) (148 × 108.3 × 67.5mm)

Weight: 23.7 oz. (670g) without battery. 25.1 oz. (710g) with battery.

All data are based on Canon's Standard Test Method.
Subject to change without notice.

SELLING POINTS



Faster Autofocus With Focus Prediction

Nearly **twice** as fast as other EOS models with new **Focus Prediction** to help users capture any subject sharp and clear.

New! Programmed Image Control

Seven settings integrate *all* camera functions to capture different types of subjects expertly, automatically.

New! Custom Function Control

Users can now adjust the camera to work as they wish by altering up to seven functions.

Faster Built-in Motor Drive

Fires up to five frames per second in the Continuous mode, so users never miss a moment.

Dual Metering Systems

With a choice of Evaluative Metering or Partial Metering, users can put light metering in line with their image ideas.

Greater Exposure Control

In addition to a choice of versatile exposure modes, the camera offers Automatic Exposure Bracketing, Multiple Exposure, and Variable Program Shift functions for professional-level control.

Complete Lens and Accessory System

A complete system of lenses, flashes and other accessories equips the photographer with just the right creative tools.



TWICE THE SPEED AND GREATER ACCURACY

Faster Autofocus

Autofocus is easier and quicker than ever with the EOS 630. A new high-speed central processing unit and more responsive circuitry in the camera body shift focus almost twice as fast as other EOS models. Now users can double their chances at catching great picture moments.

Focus Prediction

Users get new Focus Prediction power when they track targets in the Servo AF mode. Focus Prediction automatically anticipates the position of a fast-moving subject. It then drives the autofocus system during the instant after the shutter button is pressed and before exposure is made. Now even subjects that rapidly approach or move away from the camera come out sharp and clear.

Built-in motor drive shoots up to 5fps

EOS 630's built-in motor drive offers professional-level film-advance speed at up to five frames per second. Together with ultra-fast autofocus, that extra drive power puts users on top of situations ranging from fast-breaking events to subtle changes of expression.

The drive features a Continuous mode for rapid shooting and a Single-Frame mode that advances film one frame at a time.

SELECTION **X7** PROGRAMMED IMAGE CONTROL

CREATIVE IMAGE CONTROL THAT TAKES UP WHERE PROGRAM AE LEFT OFF

Seven Expert Ways to Capture Every Subject

Canon's new Programmed Image Control (PIC) system lets users enjoy a new experience in fully automatic creative photography.

Now one control shifts all camera functions—focus, metering, exposure, and film transport—to deliver all the elements that go into a perfect shot. Users have a choice of seven different PIC settings to expertly and automatically capture every subject the way they want to portray it.

P1: Standard

Standard uses the AF, AE, metering and film advance systems that usually give the best results for general photography (see chart). When users have a specific vision of how they want to portray the subject, they can switch to a new setting by operating the mode button and Electronic Input Dial.

P2: Quickshot

Quickshot is ideal for children, pets and other lively subjects. This setting uses the same metering and exposure systems as **Standard**, but Servo AF and continuous film advance help the photographer keep pace with all the action.

P3: Landscape

Landscape shifts to an exposure program that favors small apertures. Greater depth of field puts the entire view into sharp focus—just the way it appears to the human eye.

P4: Sports

Sports covers fast-moving targets—

athletes, race cars, or even wildlife—with Servo AF, continuous film advance, and a fast-action exposure program that's biased to higher shutter speeds.

P5: Portrait

The **Portrait** exposure program favors large apertures to isolate subjects against softly blurred backgrounds. Continuous film advance keeps up with every change of expression.

P6: Close-Up

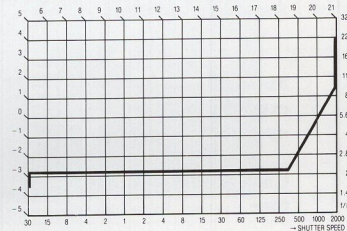
Close-Up selects the camera's Partial Metering system for precise light analysis. The exposure program favors small apertures to compensate for the shallow depth of field that lenses offer up close.

P7: Indoor

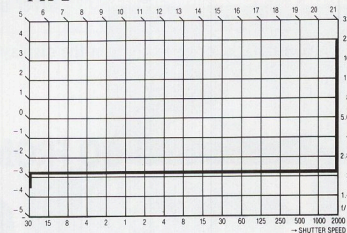
Indoor covers parties, gatherings, or any subject inside. With an EOS Speedlite attached, the TTL program automatically balances subject and background illumination. When used without a flash this setting favors high shutter speeds to prevent camera shake.

Programmed Image Control shifts among four program exposure lines and a flash exposure mode. "PS" is the general photography program—"PH-1" favors high shutter speeds, "PH-2" large apertures, and "PL" small apertures. Flash exposures use a TTL program line. Each program also shifts its combination of aperture and shutter speeds to suit the lens in use.

PH-1



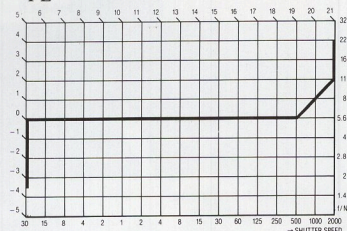
PH-2



PS



PL



Programmed Image Control Settings

		Autofocus		Film Wind		Metering		Program			
		One-Shot	Servo	Single-Frame	Continuous	Evaluative	Partial	PH-1	PH-2	PS	PL
P1 Standard		✓		✓		✓				✓	
P2 Quickshot			✓		✓	✓				✓	
P3 Landscape		✓		✓		✓					✓
P4 Sports			✓		✓	✓		✓			
P5 Portrait		✓			✓	✓			✓		
P6 Close-Up		✓		✓			✓				✓
P7 Indoor	w/flash	✓		✓				TTL Program			
	w/o flash	✓		✓		✓			✓		

Based on EF 50mm f/1.8 lens.

PREFERENCE **×7²** CUSTOM FUNCTION CONTROL

INTRODUCING A PERSONALIZED APPROACH TO CAMERA CONTROL

Canon's new Custom Function Control lets the user decide how the camera's software should work. Now users can tailor seven camera functions to their inclinations, shifting between alternative settings as often as they like.

CUSTOM FUNCTION CONTROL CHART

Control		User-selected Operation	Normal Operation	Benefit
1	Film rewind	Cancels automatic film rewind	Film rewind starts automatically at end of roll	Prevents rewind noise when shooting in quiet areas
2	Film leader positioning	Leaves film leader outside cartridge after rewind	Film leader rewound inside cartridge	Simplifies reloading for film cartridges that haven't been fully exposed, also allows easy film retrieval during development
3	Film speed setting	Cancels automatic film speed setting for DX-coded film	Film speed set by camera according to DX-code	Useful for photographers who often adjust film speed
4	Autofocus operation	Activates autofocus by pressing partial metering button	Autofocus starts by pressing shutter button halfway	Separates focus and metering operations for easy-handling focus-lock shooting
5	Manual exposure operation	Aperture	Set by manual aperture set button or EL button and electronic input dial	Tunes manual handling to photographer's preference for one-touch aperture or shutter speed control
		Shutter	Set by electronic input dial only	
6	Camera-shake warning tone	Cancels camera-shake warning tone	Tone sounds automatically with main switch at "□" or "(··)".	Reduces camera noise when shooting in quiet areas
7	Manual focusing	Allows manual focus adjustments after autofocusing for USM lenses	Manual focus adjustments for USM lenses possible by setting focus mode switch to "M."	Allows manual focus adjustments after autofocus for USM lenses

The control number appears in the display panel. Set control combinations as desired.

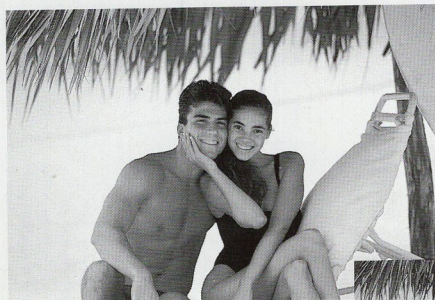
GO FROM **100% to 6.5%** DUAL METERING SYSTEMS

EVALUATIVE METERING CREATES CONFIDENCE; PARTIAL METERING GIVES ADDED CONTROL

Users can go from broad to targeted light metering with a choice of two metering systems.

Evaluative Metering gives users "built-in" confidence for exposures in any light. It breaks the viewfinder image into six separate zones and measures light in each individually. A computer then compares that data with thousands of photographic examples to deliver accurate exposures across a broad range of conditions.

The Partial Metering system analyzes only the center 6.5% of the viewfinder image. Used with exposure compensation, this gives users complete shadow and highlight control.

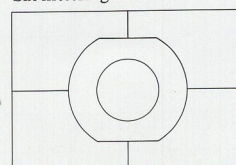


Evaluative metering

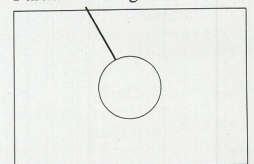


Conventional metering

Six metering zones



Partial metering mark



VERSATILITY **5+3** EXPOSURE CONTROLS

EXTENDED CONTROL FOR MORE CREATIVE EXPOSURES

Five exposure modes *plus* Auto Exposure Bracketing, Multiple Exposure and Variable Program shift functions give users creative control over any shot. They can choose from Manual, Shutter-priority AE, Aperture-priority AE, Depth-of-Field AE, and Intelligent Program AE modes.

Shutter-priority AE

Users decide how to portray subject motion by selecting the shutter speed. The camera automatically picks an aperture that will deliver a perfect exposure.

Aperture-priority AE

Users get control over depth of field in the Aperture-priority AE mode. The camera matches their aperture selection with an appropriate shutter speed.

Manual

The manual exposure mode gives photographers complete control over aperture and shutter speed exposure settings.

Depth-of-Field AE:

Setting a zone of focus has never been easier

Depth-of-Field AE works through the EOS 630's autofocus and auto exposure systems to offer prospects a remarkably easy way to control the zone of focus.

Users simply indicate the area that they want in focus by targeting its boundaries with the AF system. The camera automatically sets an aperture and focus point to provide the required depth of field.

Depth-of-Field AE comes in handy for group shots, landscapes, and shallow-focus photos. It can also create sharp photos of ultra-fast subjects as they move into the preset focus zone.

Intelligent Program AE with Variable Program Shift

Users no longer need worry about compromising their creativity in Program AE modes. The EOS Intelligent Program AE mode automatically adjusts to deliver an acceptable series of apertures and shutter speeds—no matter what lens is on the camera.

Moreover, a Variable Program Shift function gives creative photographers complete control over exposure. They can shift the program to create anything from shallow-focus-zone portraits to blurred-motion shots.

Auto Exposure Bracketing

Auto Exposure Bracketing lets the user cover the same scene with three frames shot at three different exposures—one under, one over, and one at standard metered value. The photographer can vary the amount of intentional under- and over-exposure by up to five steps in 1/2 step increments.

Multiple Exposure

With the multiple exposure function, users can record up to nine images on the same frame, without troublesome film transport manipulation.

Variable Program Shift



Fast shutter speed and large aperture



Slow shutter speed and small aperture

Auto Exposure Bracketing



-0.5 steps

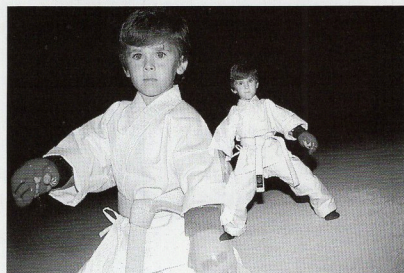


0

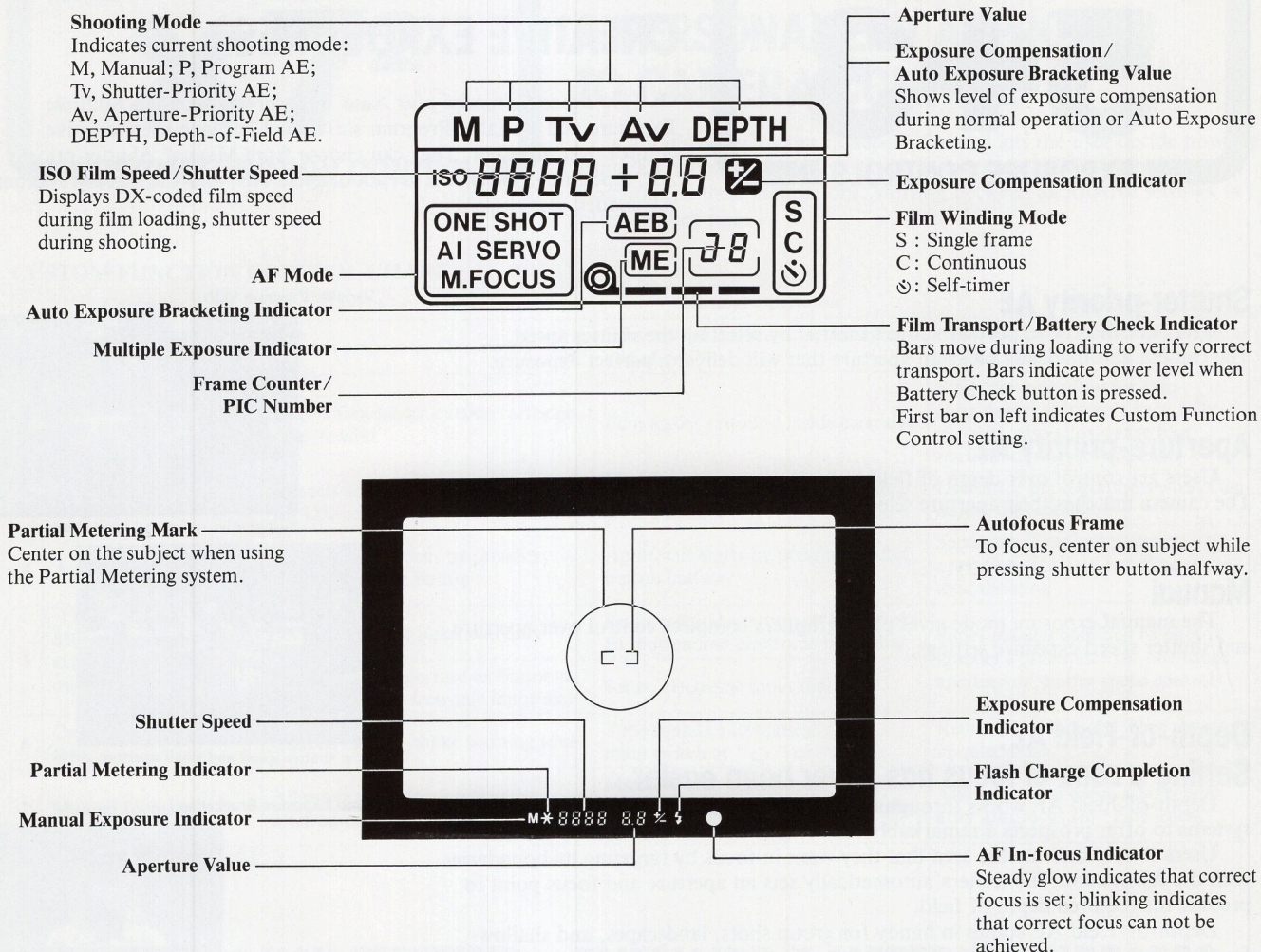


+0.5 steps

Multiple Exposure



UNDERSTAND THESE DATA DISPLAYS



EXPLAIN THE ADVANCED FEATURES BEHIND THE EASY CONTROL

A unique approach to camera design sets the EOS 630 apart from any other 35mm AF SLR. Explain the benefits behind the following technological features to prospects.

New! Super-High-Speed Central Processing Unit

Offers expanded memory and faster computing power for quick autofocus and advanced program features.

EF Lens Mount

Eliminates mechanical couplings through an advanced system of fully electronic data transfer for fast and accurate control.

Lens-integral AF system

Allows AF focus drive motors to be precisely adapted to the specifications of each lens.



Arc Form Drive (AFD) motor

Provides high-torque power in compact form to drive the autofocus systems of most EF lenses.

Ultrasonic Motor (USM)

Offers efficient, virtually noiseless autofocus operation for selected "L" series lenses.

Electro-Magnetic Diaphragm (EMD)

Offers precise aperture control and one-touch depth-of-field preview.

BASIS sensor

Amplifies light readings to allow autofocus down to the light of single candle—EV1.

DEDICATED FLASH UNITS

Users have a choice of three dedicated flash units for the EOS 630: Canon Speedlites 420EZ and 300EZ, and the Macro Ring Lite ML-3. All flash units feature a built-in AF auxiliary light that permits autofocus in dark conditions. Features are listed below.



420EZ

- A-TTL auto flash
- Built-in auto zoom
- Second-curtain sync
- Bounce flash
- Rapid-fire capability (recycling time no less than 1.5 seconds)
- Stroboscopic flash



300EZ

- A-TTL auto flash
- Built-in auto zoom
- Second-curtain sync
- Rapid-fire capability (recycling time no less than 1 second)



Macro Ring Lite ML-3

- TTL auto flash
- Revolving ring flash head
- Dual flash tubes
- Illumination changeover (tubes can be fired together or independently)
- Focusing lamp
- Modeling lamp

ACCESSORIES

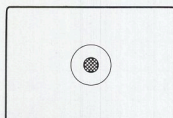


Quartz Date Back E

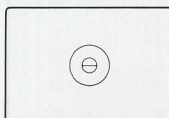


Technical Back E

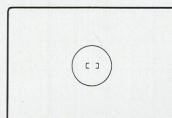
Interchangeable Focusing Screens



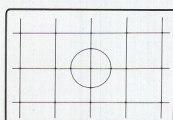
Microprism



New split



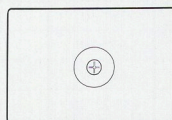
New laser-matte with AF frame



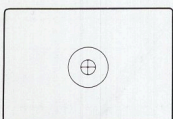
Laser-matte with section



Laser-matte with scale



Laser-matte with double cross-hair reticle



Cross split-image



GR-10 (Grip L)
Interchangeable Grips



Circular Polarizing Filters PL-C

Data imprint with the Technical Back E requires the use of color film at speeds of ISO 100 or higher for clear data registration. For monochrome film or film slower than ISO 100, contact the nearest Canon Service Facility for adjustment.

ACCESSORIES

LENSES

C21-5291	Fish-Eye EF 15mm f/2.8
C21-5301	EF 24mm f/2.8
C21-5281	EF 28mm f/2.8
C21-6211	EF 50mm f/1.8
C21-7261	Softfocus EF 135mm f/2.8
C21-8272	EF 200mm f/1.8L (Ultrasonic)
C21-8252	EF 300mm f/2.8 L (Ultrasonic)
C21-8292	EF 600mm f/4 L (Ultrasonic)
C21-9422	EF 28—70mm f/3.5—4.5 II
C21-9482	EF 28—80mm f/2.8—4 L (Ultrasonic)
C21-9411	FE 35—70mm f/3.5—4.5
C21-9412	EF 35—70mm f/3.5—4.5 A
C21-9401	EF 35—105mm f/3.5—4.5
C21-9461	EF 35—135mm f/3.5—4.5
C21-9451	EF 50—200mm f/3.5—4.5
C21-9452	EF 50—200mm f/3.5—4.5 L
C21-9441	EF 70—210mm f/4
C21-9492	EF 100—200mm f/4.5 A
C21-9431	EF 100—300mm f/5.6
C21-9432	EF 100—300mm f/5.6 L
C26-1191	EF 50mm f/2.5 Compact-Macro
C54-3781	Extender EF 2X
C54-3801	Extender EF 1.4X
C54-3791	Life-size Converter EF

FLASH ACCESSORIES

C50-0552	Speedlite 420EZ
C50-0561	Speedlite 300EZ
C50-0641	Speedlite 160E
C50-0581	Macro Ring Lite ML-3 Set
C55-9281	Macro Lite Adapter 52 C
C55-9291	Macro Lite Adapter 58 C
C50-1632	TTL Hot Shoe Adapter 2

DATA BACK ACCESSORIES

C51-9851	Quartz Date Back E
C51-9861	Technical Back E
C51-9871	Keyboard Unit E
C51-9901	Interface Unit TB (IBM-PC)

VIEWFINDER ACCESSORIES

C50-9041	Eyecup E
C50-5111-001	Dioptric Adjustment Lens E (+3)
C50-5111-011	Dioptric Adjustment Lens E (+3) w/Frame
C50-5112-001	Dioptric Adjustment Lens E (+2)
C50-5112-011	Dioptric Adjustment Lens E (+2) w/Frame
C50-5113-001	Dioptric Adjustment Lens E (+1.5)
C50-5113-011	Dioptric Adjustment Lens E (+1.5) w/Frame
C50-5114-001	Dioptric Adjustment Lens E (+1)
C50-5114-011	Dioptric Adjustment Lens E (+1) w/Frame
C50-5115-001	Dioptric Adjustment Lens E (+0.5)
C50-5115-011	Dioptric Adjustment Lens E (+0.5) w/Frame
C50-5121-001	Dioptric Adjustment Lens E (0)
C50-5121-011	Dioptric Adjustment Lens E (0) w/Frame
C50-5122-001	Dioptric Adjustment Lens E (−0.5)
C50-5122-011	Dioptric Adjustment Lens E (−0.5) w/Frame
C50-5123-001	Dioptric Adjustment Lens E (−2)
C50-5123-011	Dioptric Adjustment Lens E (−2) w/Frame
C50-5124-001	Dioptric Adjustment Lens E (−3)
C50-5124-011	Dioptric Adjustment Lens E (−3) w/Frame
C50-5125-001	Dioptric Adjustment Lens E (−4)
C50-5125-011	Dioptric Adjustment Lens E (−4) w/Frame

FOCUSING SCREENS

C51-9891	Focusing Screen E-A
C51-9892	Focusing Screen E-B
C51-9893	Focusing Screen E-C
C51-9894	Focusing Screen E-D
C51-9895	Focusing Screen E-H
C51-9896	Focusing Screen E-I
C51-9897	Focusing Screen E-L

FILTERS

C43-0401	Circular Polarizing filter PL-C (52mm diameter)
C43-0402	Circular Polarizing Filter PL-C (58mm diameter)
C43-0404	Circular Polarizing Filter PL-C (72mm diameter)
C43-0405	Circular Polarizing Filter PL-C (48mm diameter)

CASES

C46-1391	Semi-hard Case EH1-S
C46-1392	Semi-hard Case EH1-L
C46-1393	Semi-hard Case EH1-LL
C46-1401	Snap Case SA-4
C46-1402	Snap Case SB-4
C47-1121	Lens Case ES-C9
C47-1131	Lens Case ES-C13
C47-1141	Lens Case ES-C17
C47-1151	Lens Case ES-C20
C49-0671	Soft Case for Speedlite 420EZ
C49-0681	Soft Case for Speedlite 300EZ
C49-0711	Soft Case for Speedlite 160E

DUST CAPS

C45-5402	Lens Dust Cap E
C45-5201	Lens Dust Cap E-52
C45-5803	Lens Dust Cap E-58
C45-7202	Lens Dust Cap E-72
C45-2051	Camera Cover RF-3

LENS HOOD

C44-6203	Hood ET-62
C44-6503	Hood ES-65
C44-6504	Hood EW-65
C44-6505	Hood ET-65
C44-6801	Hood EW-68B
C44-6802	Hood EW-68A
C44-7901	Hood ES-79

INTERCHANGEABLE GRIPS

C51-9911	Grip GR10 (Grip L)
C51-9921	Grip GR20

EF LENS LINEUP

Lens	Focus Drive		Angle of View	Construction	Minimum Aperture	Closest Focusing Distance		Filter Size (mm)	Length		Weight	
	AFD	USM				(ft.)	(m)		(in.)	(mm)	(oz.)	(g)
Fish-eye EF 15mm f/2.8	●		180°	7-8	22	0.7	0.2	Filter Holder	2-7/16	62.2	11.6	330
EF 24mm f/2.8	●		84°	10-10	22	0.9	0.25	58	1-15/16	48.5	9.5	270
EF 28mm f/2.8	●		75°	5-5	22	1	0.3	52	1-11/16	42.5	6.5	185
EF 50mm f/1.8	●		46°	5-6	22	1.5	0.45	52	1-11/16	42.5	6.7	190
Compact-Macro EF 50mm f/2.5	●		46°	8-9	32	0.749	0.228	52	2-1/2	63	9.9	280
Softfocus EF 135mm f/2.8	●		18°	6-7	32	4.5	1.3	52	3-7/8	98.4	13.8	390
EF 200mm f/1.8L (Ultrasonic)		●	12°	10-12	22	8.2	2.5	48 (drop-in type)	8-3/16	208	6.6 lb.	3.000
EF 300mm f/2.8L (Ultrasonic)		●	8°15'	7-9	32	10	3	48 (drop-in type)	9-9/16	253	6.3 lb.	2.855
EF 600mm f/4L (Ultrasonic)		●	4°10'	8-9	32	19.6	6	48 (drop-in type)	17-15/16	456	13.2 lb.	6.000
EF 28-70mm f/3.5-4.5II	●		75°-34°	9-10	22-29	1.75	0.5	52	3	75.6	10.1	285
EF 28-80mm f/2.8-4L (Ultrasonic)		●	75°-30°	11-15	22	1.75	0.5	72	4-11/16	119.5	2.1 lb.	945
EF 35-70mm f/3.5-4.5	●		63°-34°	8-9	22-29	1.75	0.5	52	2-1/2	63	8.6	245
EF 35-70mm f/3.5-4.5A	●		63°-34°	8-9	22-29	1.2	0.39	52	2-1/2	63	8.1	230
EF 35-105mm f/3.5-4.5	●		63°-23°20'	11-14	22-29	4	1.2	58	3-1/4	81.9	14.1	400
EF 35-135mm f/3.5-4.5	●		63°-18°	12-16	22-29	5	1.5	58	3-1/4	94.5	16.8	475
EF 50-200mm f/3.5-4.5	●		46°-12°	13-16	22-29	5	1.5	58	5-3/4	146.4	24.4	690
EF 50-200mm f/3.5-4.5L	●		46°-12°	14-16	22-29	5	1.5	58	5-3/4	145.8	24.5	695
EF 70-210mm f/4	●		34°-11°20'	8-11	32	5	1.5	58	5-7/16	137.6	21.4	605
EF 100-200mm f/4.5A	●		24°-12°	7-10	32	7	1.9	58	5-1/8	130.5	18.4	520
EF 100-300mm f/5.6	●		24°-8°15'	9-15	32	7	2	58	6-9/16	166.8	24.2	685
EF 100-300mm f/5.6L	●		24°-8°15'	10-15	32	7	2	58	6-9/16	166.6	24.5	695
Extender EF 2X	—	—	—	5-7	—	—	—	—	2	50.5	8.5	240
Extender EF 1.4X	—	—	—	4-5	—	—	—	—	1-1/16	27.3	7.1	200
Life-Size Converter EF	—	—	—	3-4	—	—	—	—	1-3/8	34.9	5.6	160

● Extender EF 2X is for exclusive use with EF 200mm f/1.8L and EF 300mm f/2.8L. ● Extender EF 1.4X is for exclusive use with EF 200mm f/1.8L, EF 300mm f/2.8L and EF 600mm f/4L.
 ● Life-Size Converter EF is for exclusive use with Compact-Macro EF 50mm f/2.5. ● All EF zoom lenses have a built-in macro mechanism except EF 100-200mm f/4.5A.
 ● "A" series lenses are autofocus only.