

## The Minolta XD-7 (XD-11) - Full Specifications

### TECHNICAL DETAILS

**Type:** Compact 35mm single-lens reflex with shutter- or aperture-priority automatic or metered/full-manual exposure control.

**Lens mount:** Minolta SLR bayonet, 54° rotating angle; coupling for full-aperture-metering and finder-display input and automatic diaphragm control, providing shutter-speed priority and aperture-priority operation with Minolta MD lenses, aperture-priority operation only with MC and other Minolta lenses; spring-return button for depth-of-field preview and for stop-down meter readings with other than MC or MD lenses ([Standard lenses: 50mm f/1.2, f/1.4, f/1.7 or f/2 MD](#))

**Auto-exposure control:** Special low-voltage, low-current computer circuit (incorporating large-scale monolithic and hybrid IC's, samarium-cobalt compound impulse-release magnets and linear-resistance inputs) varies aperture and/or shutter speed steplessly for proper exposure according to metering indication at the shutter-speed/aperture, and film speed, and/or exposure adjustment set.

**Auto-exposure range:** EV 1 to EV 18 (e.g., 1 sec at f/1.4 to 1/1000 sec. at f/16) at ASA 100 with f/1.4 lens.

**Shutter:** Vertical-traverse metalblade focal-plane type, with electromagnetic release, Electronically controlled speeds: 1/1000 to 1 sec. steplessly on automatic modes or in steps on manual mode or at "X" (1/100 sec.) setting. Mechanically controlled settings (no battery power required): "O" (1/100 sec.), "B" (bulb)

**Metering:** TTL center-weighted type by silicon photo cell mounted at rear of pentaprism; at full aperture for normal display, at taking aperture for exposure (shutter-speed) determination or stop-down display

**Film-speed range:** ASA 12 to 3200 set by dial (around rewind-crank / back-release knob) with lock.

**Auto-exposure adjustment:** : Up to +2 EV continuous adjustment of auto or metered manual with locks at zero position and each EV setting.

**Mirror:** Oversize quick-return type (PO value: 143mm) with pneumatic damper.

**Viewfinder:** Eye level fixed pentaprism type showing 94% of 24 x 36mm film-frame area

**Magnification:** 0.87X with 50mm standard lens focused at infinity.

**Power:** - 1 D, variable with accessory snap-on eyepiece correction lenses.

**Focusing Screen:** Fresnel-field focusing screen having an artificially regular patterned matte field plus central split-image horizontally oriented focusing spot surrounded by microprism band.

**Visible around frame:** Shutter speed and f-number set on "S" or "M" mode, f-number set with MD or most MC lenses on "A" mode; LED indication of aperture (on "S") or shutter speed (on "A" or "M") for correct exposure by 10 light-emitting diodes; LED over-/under-range indicators, upper of which also blinks as a flash ready signal with X-series Auto Electro-flashes and lights at "X," "O," and "B" shutter settings

**Eyepiece Shutter:** Yes, Built-in eyepiece shutter positioned by lever.

**Flash sync.:** PC-terminal and hot shoe for X-sync. (disconnected when unit not installed); Electronic flash synchronizes at 1/100 sec. (i.e., electronic "X" or mechanical "O" shutter settings) and slower step or stepless speeds; Class MF, M, and FP flashbulbs synchronize at 1/15 or slower speeds. Extra contact on hot shoe, receives signal from camera-control contact of X-series Auto Electro-flashes whenever capacitor is charged to cause upper LED triangle in finder to blink and

then set shutter at fixed 1/100 sec

**Film advance & Multiple Exposures:** Motorized: Through built-in coupler key with accessory Auto Winder D. Manual By lever with single 130° stroke after 30° unengaged movement. Film-advance release button for rewinding and multiple exposures. Advancing-type frame counter (no advance with multiple exposures).

**Film loading Guide:** Safe Load Signal indicates film loading and advancing condition.

**Power:** Two 1.5v alkaline-manganese or silver-oxide cells power both auto exposure control and shutter's electronically governed operation

Power switch in operating button.

**Battery check:** By depressing operating button slightly: LED's dim or do not light as cells approach exhaustion. Shutter will not release when voltage too low for proper operation

**Self-timer:** Lever type, operating time variable up to approx. 10 sec. at full stroke; cycle started by pushing operating button.

**Others:** 4-slot take-up spool; detachable back cover with memo holder and ASA-DIN conversion scale.

**Dimension and weight:** 51 x 86 x 136mm (2" x 3-3/8" x 5-3/8") without lens, 560g (19-11/16 oz.) without lens and power cells.

**System Accessories:** Exclusive Auto Winder D, Auto Electroflash 320X, 200X, 132X and 118X, 50cm (20 in.) and 5m ( 16 ft.) remote cord; MD, MC, and other interchangeable Minolta lenses and applicable Minolta SLR system accessories.

#### Standard Lenses Specifications:

Lens	50mm f/2.0 MD	50mm f/1.7 MD	50mm f/1.4 MD	50mm f
Type	Standard Lens			
Constructions	6 elements in 5 groups		7 elements in 6 groups	
Angle of view	47 degrees			
Minimum focusing Distance	0.45m (1.5 ft)			
Diaphragm	Fully automatic, meter coupled			
Aperture Scale	2, 2.8, 4, 5.6, 8, 11, 16, 22	1.7, 2.8, 4, 5.6, 8, 11, 16	1.4, 2, 2.8, 4, 5.6, 8, 11, 16	1.2, 2, 2.8, 4, 5.6, 8, 11, 16
	With full and half click stops			
Filter Thread Diameter	49mm			55mm
Dimension	64mm x 36mm (2-1/2" x 1-7/16")	64mm x 36mm (2-1/2" x 1-7/16")	64mm x 40mm (2-1/2" x 1-9/16")	65.5mm x 40mm (2-9/16" x 1-9/16")
Weight	155g (5-7/16 oz)	160g (5-5/8 oz)	220g (7-3/4 oz)	315g (11-1/8 oz)

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**Credit:** Mir Poon of Foto Poon, Ipoh for his untiring effort to see this site up and running.

Dedicated to a friend: 'JB' whom I have never met but remains a constant motivated force.

Dedicated to all the Minolta fans.



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