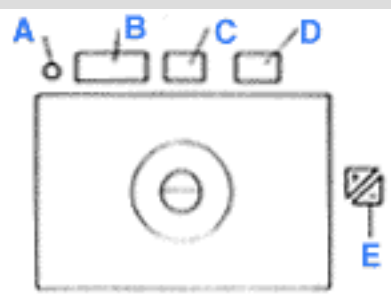




Nikon FA, 1983-1989

Modern Classic SLRs Series :
Nikon FA - Specifications

Type of camera	35mm single-lens reflex
Picture format	24mm X 36mm (standard 35 mm film format)
Lens mount	Nikon bayonet mount, Maximum aperture index that works with Automatic with AI-S and AI Nikkor lenses
Lenses	Standard lenses during its official availability: AI-S Nikkor 50mm F1.2, 50mm F1.4, 50mm F1.8 and with options of more than 60 Nikkor and Nikon Series E lenses available.
Viewfinder	Fixed eyelevel pentaprism type; 0.8X magnification with 50mm lens set at infinity; 93° frame coverage; eyepiece shutter provided, Finder diopter: Minus 1+0.5 dpt Viewfinder information: A: Ready-light LED B: LCD panel; 7-segments, 4-digit C: ADR aperture f-number in use D: Shutter Speed in set E) Exposure compensation mark - will light up when exposure compensation in use
	
Focusing screen	Interchangeable matte/fresnel focusing screen with central split-image rangefinder spot and microprism collar (Nikon Type K2) as standard; two other types of screens available optionally (Type B2 and E2). How to change focusing screens: By pulling the focusing screen, release latch at the top front of the mirror box. A special tweezers is provided for screens change.
Exposure metering	TTL full-aperture exposure measurement; employs two silicon photo diodes (SPD's) with automatic multi-pattern and centerweighted metering methods; selection of metering method via metering control button Automatic multi-pattern metering: Light is individually measured from five separate areas of focusing screen, providing correct automatic exposure, even in difficult lighting situations Centerweighted metering: Major portion of meter's sensitivity concentrated in 12mm dia. center spot of focusing screen
Exposure meter switch	Meter turned on when shutter release button is depressed halfway; meter stays on for approx. 16 sec. after finger is lifted off button
Metering range	EV1 to EV20 at ASA/ISO 100 with f/1.4 lens
Exposure control range	Automatic multi-pattern metering: EV1 to EV16-1/3 at ASA/ISO 100 with 50mmf/1.4 lens. Centerweighted metering: EV1 to EV20 at ASA/ISO 100 with 50mmf/1.4 lens.
Exposure control	Three automatic exposure modes: P (programmed), S (shutter-priority) and A (aperture-priority); M (manual) exposure mode also provided, exposure mode selected via Mode Changeover knob. P mode: 'P' mode: With minimum aperture setting of the lens, the FA automatically selects the optimum combination of shutter speed and lens aperture settings for correct exposure by the pre-arranged program of its microcomputer. Also, the FA's micro-computer activates the High-Speed program automatically via Focal Length (Fmm) signal when a Nikkor, Nikon Series E or any of the AF Nikkor lenses of 135mm or longer are used. Note: High-Speed program operable lenses are AI-S Nikkor, Nikon Series E, AF Nikkor lenses and 'newer' teleconverters for Shutter speed AI-S type. S mode: Shutter speed set manually while aperture is set automatically and steplessly; shutter speed automatically corrected for correct exposure in case shutter speed you set is improper. A mode: Aperture set manually while shutter speed is set automatically and steplessly
Exposure information	M mode: Both aperture and shutter speed set manually. P mode: Viewfinder LCD shows discrete shutter speed closest to automatically selected speed; LCD also shows HI or Lo indication to warn of over- or underexposure or FEE to warn of aperture missetting. S mode: LCD shows discrete f-number closest to automatically selected aperture or discrete shutter speed closest to automatically selected speed when manually set shutter speed is improper; LCD also shows HI or Lo to warn of overor underexposure or FEE to warn of aperture missetting; manually set shutter speed always shown via shutter speed indication. A mode: LCD shows discrete shutter speed closest to automatically selected speed; LCD also shows HI or Lo to warn of over- or underexposure; manually set aperture always shown via ADR window. M mode: LCD shows manually set shutter speed preceded by M; +- indicates correct exposure with + or - indicating over or underexposure; manually set aperture always shown via ADR window.
Exposure compensation	±2 EV compensation (in one-third increments) possible via dial; red LED exposure compensation mark visible in viewfinder when meter is on.
Film speed range	ASA/ISO 12 to 4000
Shutter	Electromagnetically controlled vertical travel, metal focal plane shutter with titanium curtains.
Shutter speeds	Stepless speed from 1 to 1/4000 sec. in automatic exposure modes (except S mode); ceramic-oscillator-controlled discrete speeds from 1 to 1/4000 sec. in S and M modes; mechanically controlled, 1/250 sec. at M250 setting and long exposure at B setting available.
Shutter Release:	At 1-1/4000 sec dial settings, depressing shutter release button halfway turns power switch on and further depressing turns magnetic release switch on and to release shutter. At 'M' 1/250 sec and 'B' settings, shutter releases mechanically.
Power Switch:	Power switch is turned on when shutter release button is depressed halfway; it remains on for approx 16 sec. after finder is lifted off the button. By setting shutter dial to M250 and B, power switch turns off.
Film advance lever	Wound in single stroke with 30° stand-off angle and 135° winding angle; doubles as shutter release button lock
Automatic film advance	Possible with optional Motor Drive MD-15 or MD-12
Frame counter	Additive type, self resetting until the frame counter reaches '1'. Shutter fires at 1/250 sec at any shutter speed except 'B'; LCD in the viewfinder displays 'C 250' on P, S and A modes, while 'MC 250' on M mode.
Film rewind	Via folding crank and rewind button in baseplate
Self timer	Self timer: 8 - 14 sec delayed exposure; mechanical type: can be cancellable after setting.
Eyepiece shutter	Prevents stray light from entering viewfinder during unmanned operation
Depth-of-field preview lever	Provides visual verification of depth of field; with lever depressed, centerweighted metering only available (i.e. P and S modes changed into full-aperture center-weighted metering on A mode; A and M modes changed into stopped-down center weighted metering.)
Shutter Speed Ring Lock:	Release by depressing the Shutter Dial Lock release button at the back, just below the Shutter speed dial.
Reflex mirror	Automatic instant-return type
Multiple exposures	Possible via lever
Camera back	Hinged interchangeable type with memo holder; interchangeable with Data Back MF-16 or MF-12
Data back contacts	Two contacts are provided for the Data Back MF-16 (Earlier MF-12 is not operative thru these contacts, you MUST use the cable supplied to plug into the PC terminal).
Handgrip	Detachable type provides comfortable shooting; must be detached when attaching motor drive
Accessory shoe	Standard ISO-type contains hot-shoe contact, ready-light contact. TTL flash auto-stop signal contact and monitor contact; accepts Nikon SB-15, SB-16B or SB-18 or any dedicated Nikon flash units for TTL direct flash output control using camera's SPD metering cell.
Sync terminal	Threaded type provided for off-camera or multiple flash photography
Flash synchronization	Speeds of 1/250 sec or slower with electronic flash: with Nikon dedicated flash unit, flash sync terminal set to 1/250 sec when camera is set at any automatic exposure mode or when shutter speed dial is set at 1/500 or higher in manual mode; at slower speed on manual, shutter fires at speed set
Flash ready-light	Viewfinder LED lights up when Nikon dedicated flash unit is completely recycled; blinks to warn of insufficient light output or improper shutter speed dial or film speed setting
Batteries	One 3V lithium battery, two 1.55V silver oxide batteries or two 1.5V alkaline-manganese batteries. Battery power is supplied by MD-15 automatically when mounted.
Dimensions	Approx, 142.5mm (W) x 92mm (H) x 64.5mm (D)
Weight (body only)	Approx 625 g

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A contributing effort to [Michael Liu's Classic Nikon](#) SLR camera site.
Credit: Miss Rissa - Marketing Manager and the members of technical service team of Shiro Malaysia; Mr [Terence HM Tan](#) for his FA/MD15 images, Mr [Victor](#) for his Nikon FA body and his - We all had some real good times on the construction of this site. [Dave Hoyt](#) who prepared the introductory page. Dedicated to a friend: 'JB' whom I have never met but remains a constant motivated force.