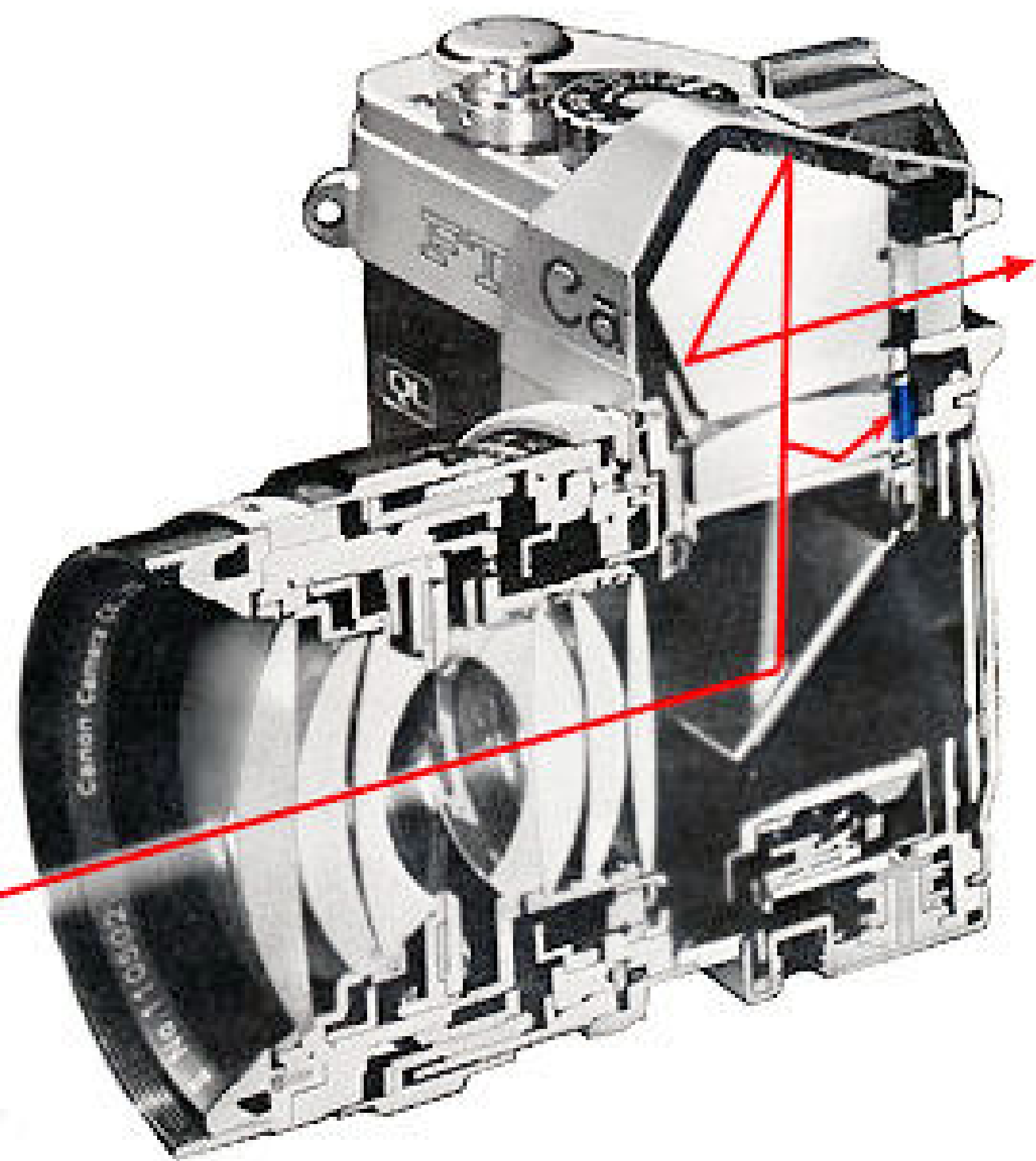






Credit: Mr. Ju Chung "ITfavourite" ©
<me168@hotmail.com> © 2003.

SB25/24

	TTL Multi- sensor balanced fill-flash	TTL Matrix balanced fill-flash	TTL	Non TTL Auto	Manual	FP high speed flash sync	Repeating flash	Rear Curtain Sync	Slow sync	Red eye reduction	AF-assist illuminator	Automatic power Zoom
F6												
F5												
F4												
F100/ F90x												
F80/F75/ F70												
F65												
F60/F50												
F55												
F3 series 4												
FM2/ FM2n												
FM3a												
D1 series												
D100												
D2H / D2X												
D70												
COOLPIX 8800,8400												
COOLPIX 5000,5400 5700, 8700												
COOLPIX 4500/995/ 990/ 950 3												



SB-24

NIKON F4 OR OTHER AF NIKON SLR BODIES
AN AF-D 28MM F/1.4 WIDEANGLE

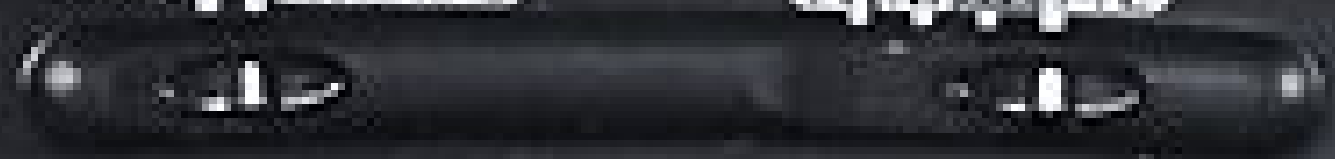
SC-17 TTL SYNC CORD

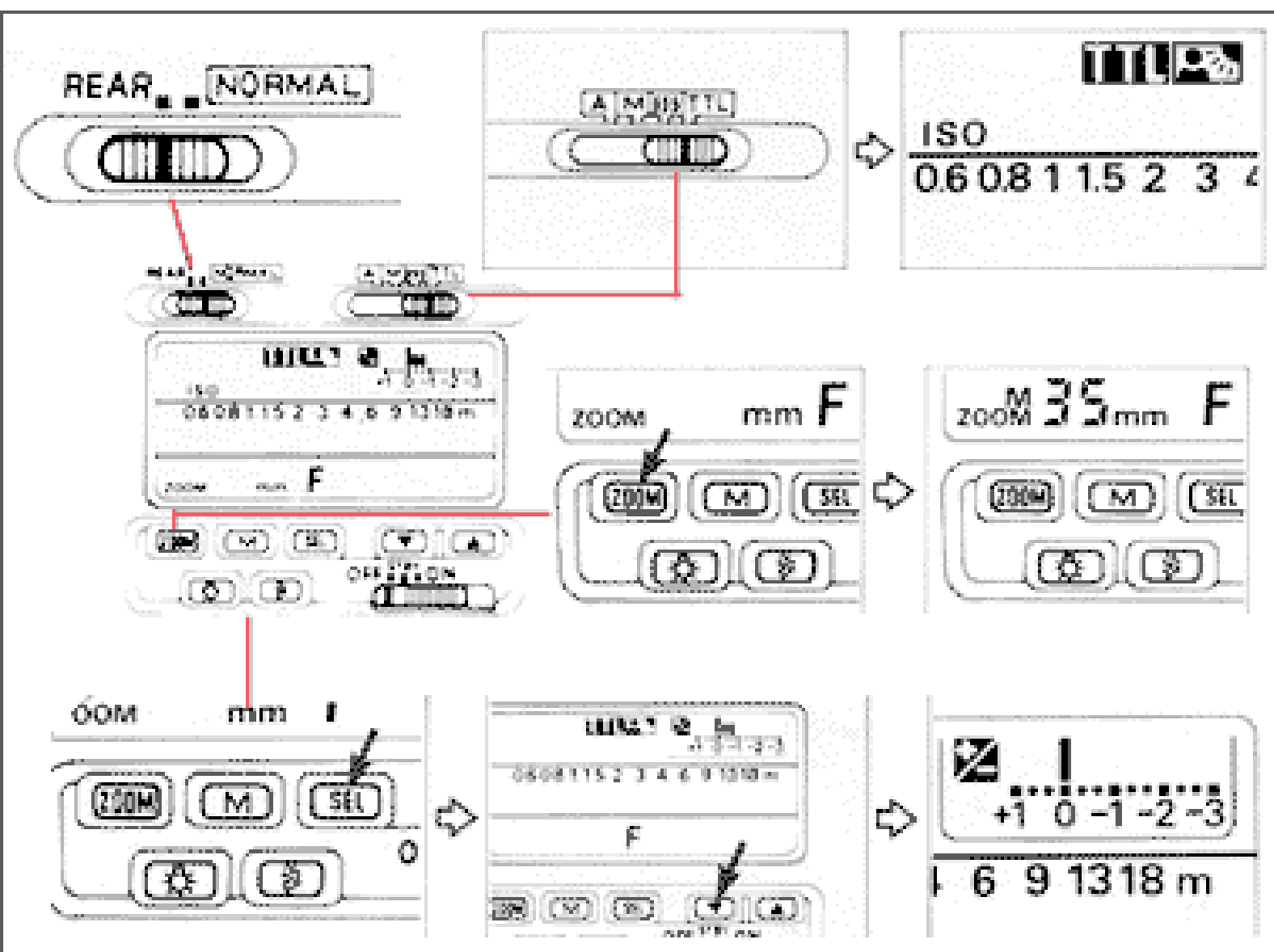




REAR. **REAR**

REAR







Credit: Mr. Ju Chung "ITfavourite" ©
<me168@hotmail.com> © 2003.













**Built-in
diffuser card**

**Built-in wide
flash adapter**

Nomenclature

Main Reference Map **NIKON SB-25**

Flash head

Locks at the front position and the 90° position; tilts up to 90° and down to -7°; rotates 90° to the right and 180° to the left.

Autofocus assist illuminator LED

Enables autofocus operation in dim light or total darkness.

**Light sensor for Non-TTL
Auto Flash operation**

**Flash head
tilting lock
release lever**

**Mounting foot
locking
wheel**

Battery chamber lid
Slide and lift to open

**Mounting
foot**

Meter/Feet select lever
(Inside battery chamber)

Battery chamber (Inside)

Accepts four 1.5V AA-type penlight batteries, either 1.5V alkaline-manganese or 1.2V NiCd batteries (voltage for NiCd batteries varies depending on manufacturer; maximum permitted is 1.5V).

External power source terminal

Accepts power cord of Nikon DC unit SD-8/SD-7.

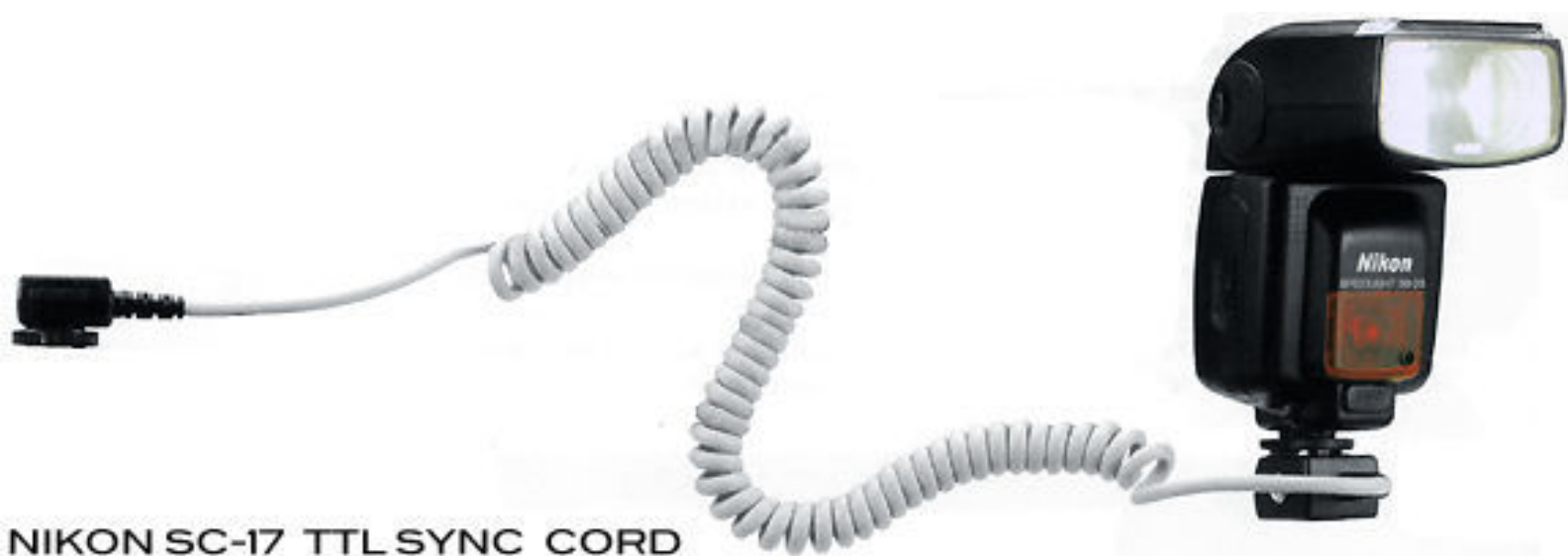
Mount pin

Hot-shoe contacts









NIKON SC-17 TTL SYNC CORD



FRONT VIEW OF
NIKON AF-TTL
SPEEDLIGHT - SB-27



REAR SECTION OF
NIKON AF-TTL
SPEEDLIGHT - SB-27



SIZE COMPARISON BETWEEN
NIKON AF-TTL SPEEDLIGHTS
SB-26 AND SB-27



SB27

	TTL 3D Multi- Sensor balanced fill-flash	TTL Multi- sensor balanced fill-flash	TTL Matrix balanced fill-flash	TTL	Non TTL Auto	Manual	Rear Curtain Sync	Slow sync	Red eye reduction	AF-assist illuminator	Automatic power Zoom
F6	ON	ON		III	A	M	REAR	SLOW	⊙	AF	POWER
F5	ON	ON		III	A	M	REAR	SLOW		AF	POWER
F4			ON	III	A	M				AF	POWER
F100/F90x	ON	ON		III	A	M	REAR	SLOW	⊙	AF	POWER
F80/F75/ F70	ON	ON		III	A	M	REAR	SLOW	⊙	AF	POWER
F65			ON	III	A	M	REAR	SLOW	⊙	AF	POWER
F60/F50			ON		A	M				AF	
F55					A	M		SLOW			
F3 series 4				III	A	M					
FM2/FM2n					A	M					
FM3a				III	A	M					
D1 series					A	M	REAR	SLOW	⊙	AF	POWER
D100					A	M	REAR	SLOW	⊙	AF	POWER
D2H / D2X					A	M	REAR	SLOW	⊙	AF	POWER
D70					A*	M	REAR	SLOW			
COOLPIX 8800,8400					A	M	REAR	SLOW			
COOLPIX 5000,5400, 5700 s 8700 s				III _s	A _s	M _s	REAR _{1/5}	SLOW _s			
COOLPIX 4500/995/ 990/ 950 3, 6				III _s	A _s	M _s		SLOW _s			

* When an SB-27 is mounted on the D70, the flash mode is automatically set to TTL, and the shutter-release will be disabled. Set the SB-27 to A (non-TTL auto flash).

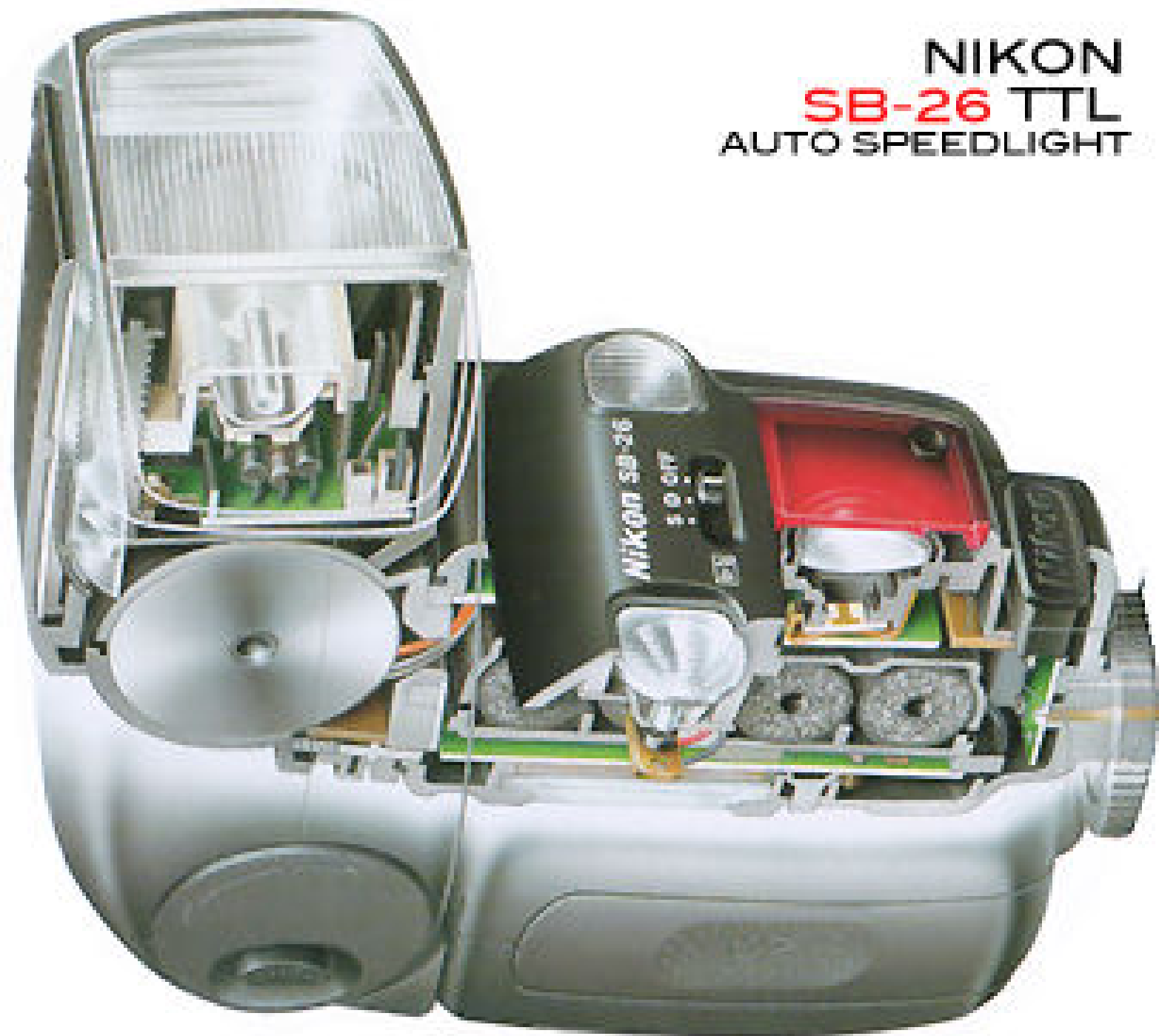








NIKON
SB-26 TTL
AUTO SPEEDLIGHT



SB26

	TTL 3D Multi- Sensor balanced fill-flash	TTL Multi- sensor balanced fill-flash	TTL Matrix balanced fill-flash	TTL	Non TTL Auto	Manual	FP high speed flash sync	Repeating flash	Rear Curtain Sync	Slow sync	Red eye reduction	AF-assist illuminator	Automatic power Zoom
F6													
F5													
F4													
F100/ F90x													
F80/F75/ F70													
F65													
F60/F50													
F55													
F3 series 4													
FM2/ FM2n													
FM3a													
D1 series													
D100													
D2H / D2X													
D70													
COOLPIX 8800,8400													
COOLPIX 5000,5400 5700, 8700													
COOLPIX 4500/995/ 990/ 950 3													



NIKON TTL
AF SPEEDLIGHT
SB-20



NIKON TTL
AF SPEEDLIGHT
SB-26



NIKON TTL
MF SPEEDLIGHT
SB-16B

NIKON TTL
MULTI FLASH
ADAPTOR AS-10



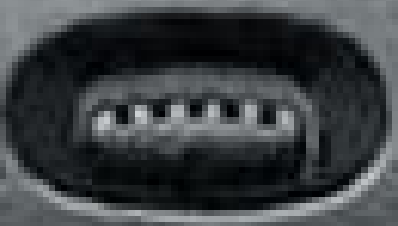


NIKON TTL
MULTI-FLASH
SYN CORD
SC-18

NIKON TTL
SYN CORD SC-17

NIKON TTL
MULTI-FLASH
SYN CORD
SC-19





READY **EXPOSURE** **COMPENSATION**



05

06 08 1 15 2 3 4 6 9 13 18 m

M 28 mm F 15

ZOOM



SEL

M

Q

OFF QV S/SY





ISO 100

2 3 4 5 7 10 15 20 30 40 60 125

zoom 35 mm F4

zoom



SEL

M



OFF ON ON









Focus Mode Switch

Shooting Mode Selector

Exposure Compensation Button

Manual Focusing Ring

Accessory
Shoe

Shutter Button

Electronic
Input Dial





Display Panel Illumination Button

Partial Metering
Button (AE Lock)

Main Switch

Film-load Check Window





Battery Check Button

Film Winding Mode Selector

AF Mode Selector

Film Rewind Button (Mid-Roll Rewind)

ISO FILM SPEED/SHUTTER SPEED

During Auto mode, the LCD called film speed is automatically set with the placed film while the film advances up the first cycle in frame. During shooting, the called speed is indicated by:

SHOOTING MODE

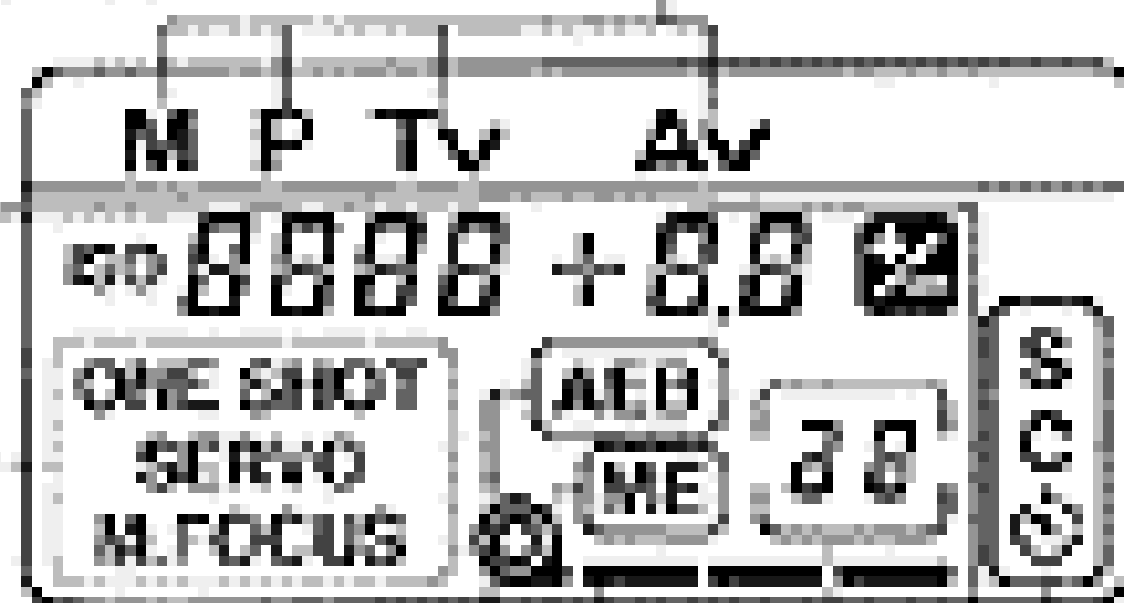
Selection of your shooting mode. All modes are default mode.

P: Program AE

Tv: Shutter Priority AE

Av: Aperture priority AE

M: Manual



FILM TRANSPORT INDICATOR/BATTERY CHECK INDICATOR

Shows an indicator when you load the film and when the back cover is open, screen film loading. It also indicates the film plane supply when the battery and the film are placed.

MULTIPLE EXPOSURE LINE INDICATION

AUTO EXPOSURE LINE INDICATION

AF MODE

ONE SHOT focus lock mode. No focus achieved. OFF: focus adjusts automatically as you follow the subject. The AF after release of shutter. AF completion. M.FOCUS: you manually adjust focus.

FILM WINDING MODE

S: Single frame advance.
C: Continuous frame advance.
M: Half frame.

APERTURE VALUE

During camera operation, the aperture value is displayed here.

EXPOSURE COMPENSATION/AUTO EXPOSURE BRACKETING

The level of exposure compensation or auto exposure bracketing (up to plus or minus four stops) is displayed here.

FRAME COUNTER

The number displayed indicates the shot taken on the roll.













SB28

	TTL 3D Multi- Sensor balanced fill-flash	TTL Multi- sensor balanced fill-flash	TTL Matrix balanced fill-flash	TTL	Non TTL Auto	Manual	FP high speed flash sync	Repeating flash	Rear Curtain Sync	Slow sync	Red eye reduction	AF-assist illuminator	Automatic power Zoom
F6	☑	☑		III	A	M	FP	☑	REAR	SLOW	☉	AF	POWER
F5	☑	☑		III	A	M	FP	☑	REAR	SLOW		AF	POWER
F4			☑	III	A	M		☑				AF	POWER
F100/ F90x	☑	☑		III	A	M	FP	☑	REAR	SLOW	☉	AF	POWER
F80/F75/ F70	☑	☑		III	A	M		☑	REAR	SLOW	☉	AF	POWER
F65			☑	III	A	M		☑	REAR	SLOW	☉	AF	POWER
F60/F50			☑		A	M		☑				AF	
F55					A	M		☑		SLOW			
F3 series 4				III	A	M		☑					
FM2/ FM2n					A	M		☑					
FM3a				III	A	M		☑					
D1 series					A	M	FP	☑	REAR	SLOW	☉	AF	POWER
D100					A	M		☑	REAR	SLOW	☉	AF	POWER
D2H / D2X					A	M	FP	☑	REAR	SLOW	☉	AF	POWER
D70					A	M		☑	REAR	SLOW			
COOLPIX 8800,8400					A	A		☑	REAR	SLOW			
COOLPIX 5000,5400 5700, 8700				III	A	M		☑	REAR ¹	SLOW			
COOLPIX 4500/995/ 990/ 950 3				III	A	M		☑		SLOW			



—F3/T Classicの、発売に寄せて思う—

NASAの酷使に耐えた、精密機械の最高峰
魅力の古典的チタン外装マニュアルカメラ。

柴田 三雄

銘機F2が、販売記録更新中であった1970年代中頃、日本光学工業は次期主力カメラF3の開発プロジェクトをスタートさせていた。その頃、NASAから昭和56年(1981年)に打ち上げを予定していたスペースシャトルで使用するカメラの製作依頼が来る。その事が製作目標にあったF3をより高性能化し磨きをかける事となる。つまりカメラの内部メカニクスはもとより、外装も、チタンで強化される事になった。当時のチタン加工技術は難度を極めた宇宙・軍事専用技術で民生用としては無縁であった。1970~80年代の冷戦状態において世界の軍事力は、チタン専用工作機やそれを誇る技術で各国の軍事力を計ったといわれるほど、高度な工作技術であった(日本は米国に遅く1970年代後半)。

ニコントF3の電子回路のほとんどは、1枚のフレキシブル基板上に実装され撮影に必要なすべての情報を処理しているが、強烈な電磁波の漏れと環境下でも耐電磁波特性の高いチタニウムに覆われたこのカメラは正確無比の働きを維持した。

「お知りコロンビア…」世界中の目がTVに釘づけになった日、
私もそっと言った「お知り…F3」。

Nikon F3/T Classic

with NIKKOR LENS 50mm f1.2

CAMERA No. 5000030

LENS No. 5000030

MADE IN JAPAN





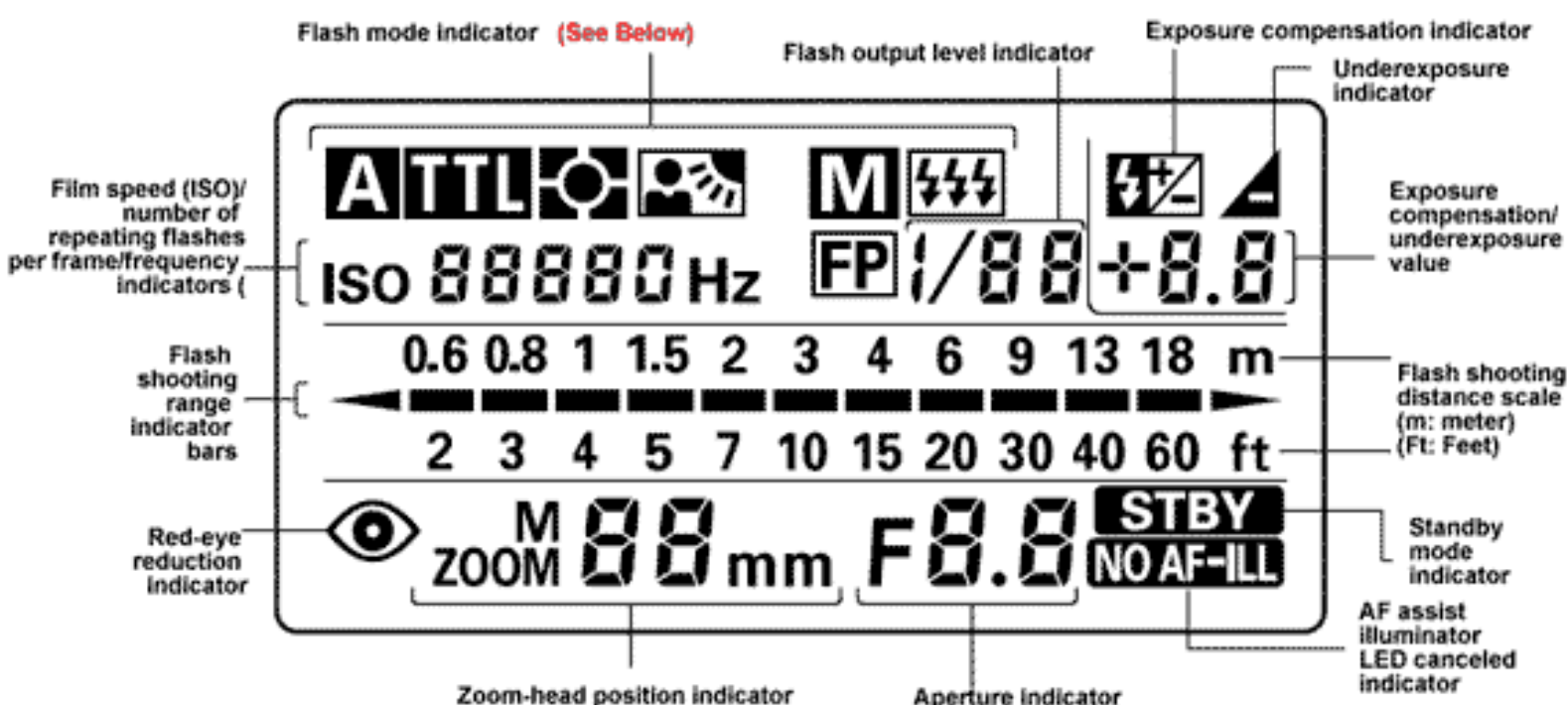




NIKON SB28
SC17 LUMIQUEST SOFTBOX











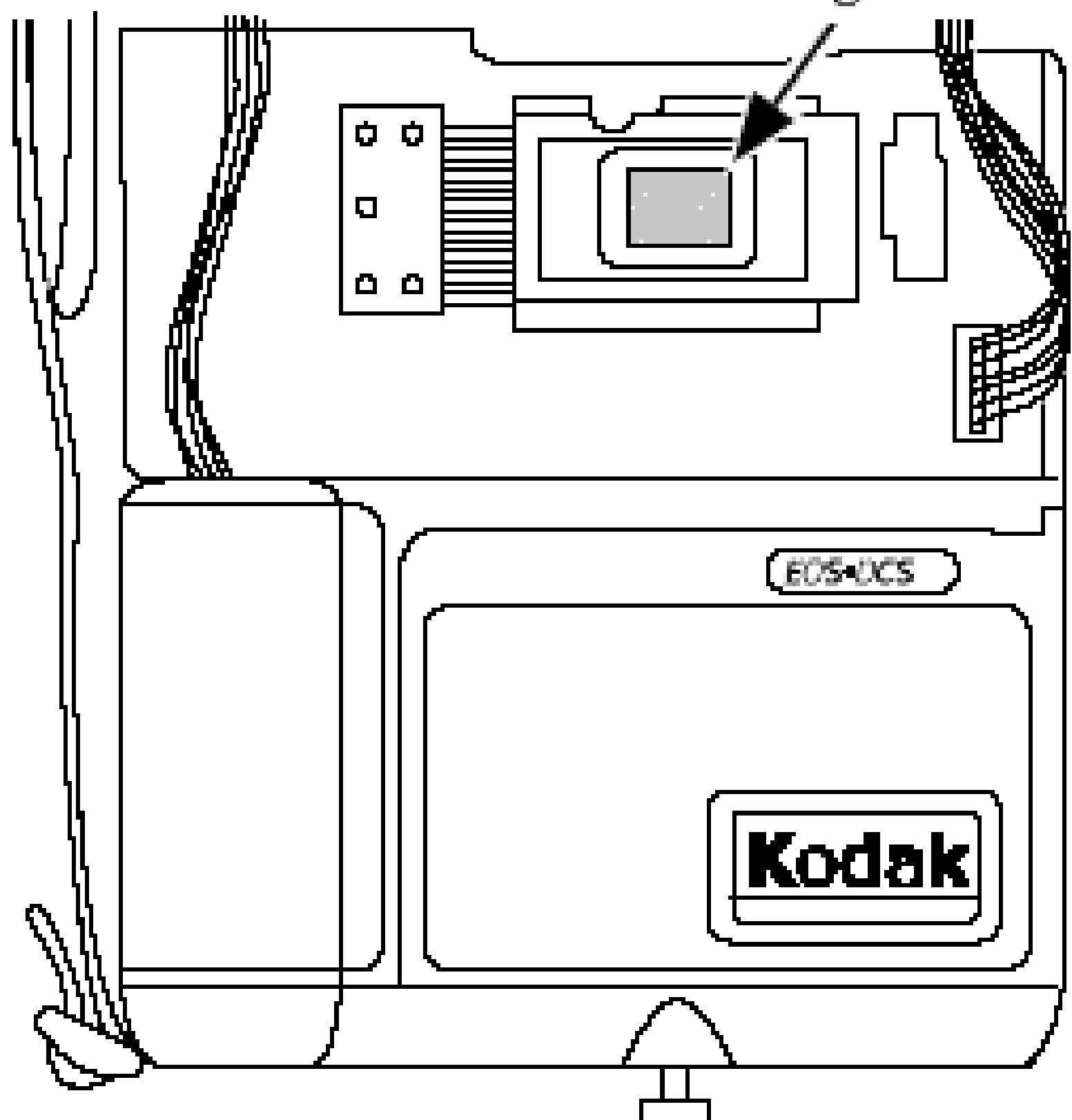


Guide number

(ISO 100, m/ft)

Flash output level	Zoom-head position							
	18mm	20mm	24mm	28mm	35mm	50mm	70mm	85mm
1/1 (full)	18/59	20/66	30/98	32/105	36/118	42/138	48/157	50/164
1/2	12.7/42	14/46	21/69	22.5/74	25.5/84	30/98	34/112	36/118
1/4	9/30	10/33	15/49	16/53	18/59	21/69	24/79	25/82
1/8	6.4/21	7/23	10.5/35	11.3/37	12.7/42	15/49	17/56	18/59
1/16	4.5/15	5/16	7.5/25	8/26	9/30	10.5/35	12/39	12.7/42
1/32	3.2/10	3.5/11	5.3/17	5.7/19	6.4/21	7.5/25	8.5/28	9/30
1/64	2.3/8	2.5/8	3.8/13	4/13	4.5/15	5.3/17	6.0/20	6.3/21

Imager



Tripod socket

Mounting screw





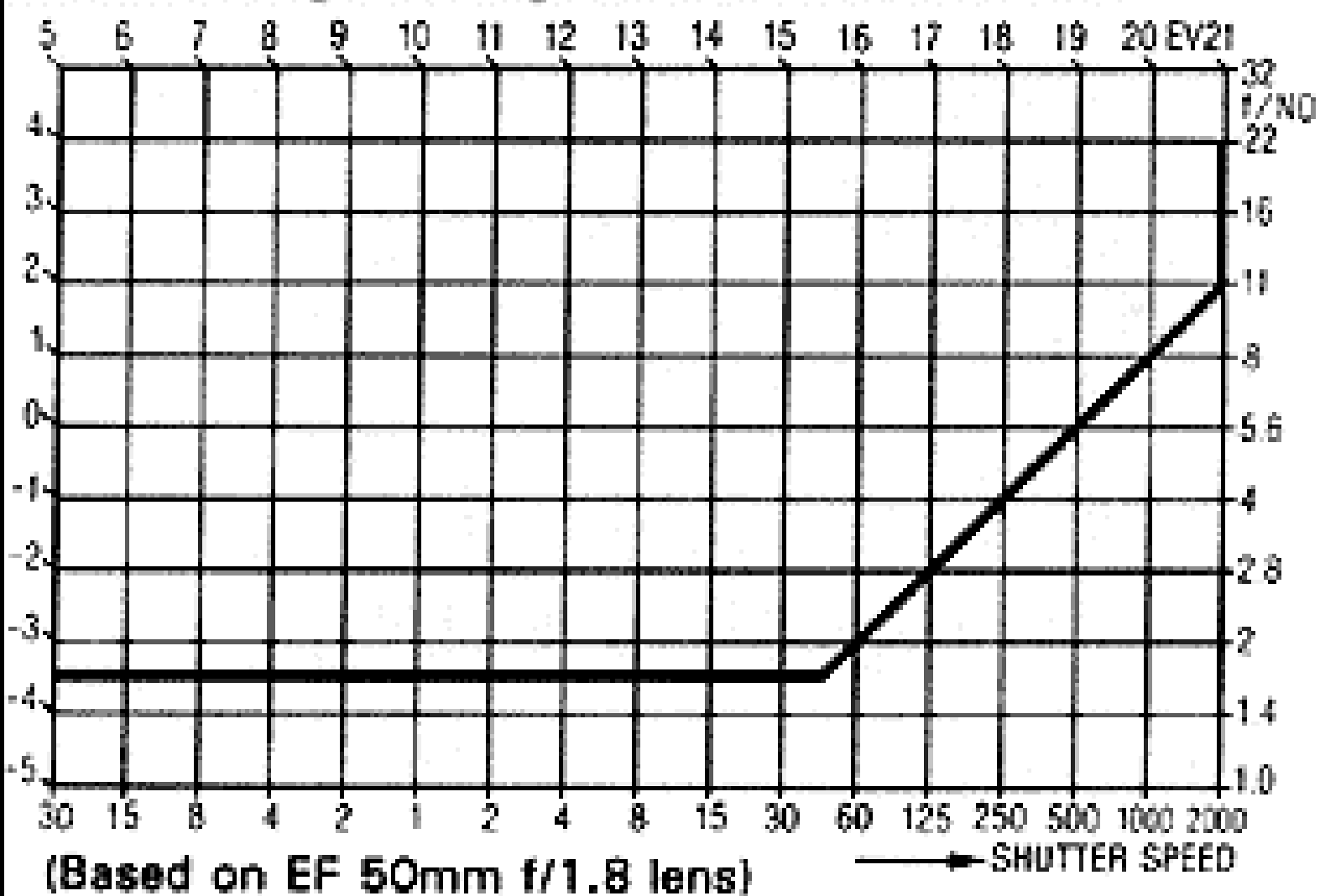
SPEEDLIGHT 30-28

11133

ISO 100

1/4000 1/2000 1/1000 1/500 1/250 1/125 1/60 1/30 1/15 1/8 1/4 1/2 1 2 4 8 16 32 64 128 256 512 1024 2048 4096 8192 16384 32768 65536 131072 262144 524288 1048576 2097152 4194304 8388608 16777216 33554432 67108864 134217728 268435456 536870912 1073741824 2147483648 4294967296 8589934592 17179869184 34359738368 68719476736 137438953472 274877906944 549755813888 1099511627776 2199023255552 4398046511104 8796093022208 17592186044416 35184372088832 70368744177664 140737488355328 281474976710656 562949953421312 1125899906842624 2251799813685248 4503599627370496 9007199254740992 18014398509481984 36028797018963968 72057594037927936 144115188075855872 288230376151711744 576460752303423488 1152921504606846976 2305843009213693952 4611686018427387904 9223372036854775808 18446744073709551616 36893488147419103232 73786976294838206464 147573952589676412928 295147905179352825856 590295810358705651712 1180591620717411303424 2361183241434822606848 4722366482869645213696 9444732965739290427392 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21778071482940061661655974875633165533184 43556142965880123323311949751266331066368 87112285931760246646623899502532662132736 174224571863520493293247799005065324265472 348449143727040986586495598010130648530944 696898287454081973172991196020261297061888 1393796574908163946345982392040522594123776 2787593149816327892691964784081045188247552 5575186299632655785383929568162090376495104 11150372599265311570767859136324180752990208 22300745198530623141535718272648361505980416 44601490397061246283071436545296723011960832 89202980794122492566142873090593446023921664 178405961588244985132285746181186892047843328 356811923176489970264571492362373784095686656 713623846352979940529142984724747568191373312 1427247692705959881058285969449495136382746624 2854495385411919762116571938898990272765493248 5708990770823839524233143877797980545530986496 11417981541647679048466287755595961091061972992 22835963083295358096932575511191922182123945984 45671926166590716193865151022383844364247891968 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Intelligent Program AE Characteristic





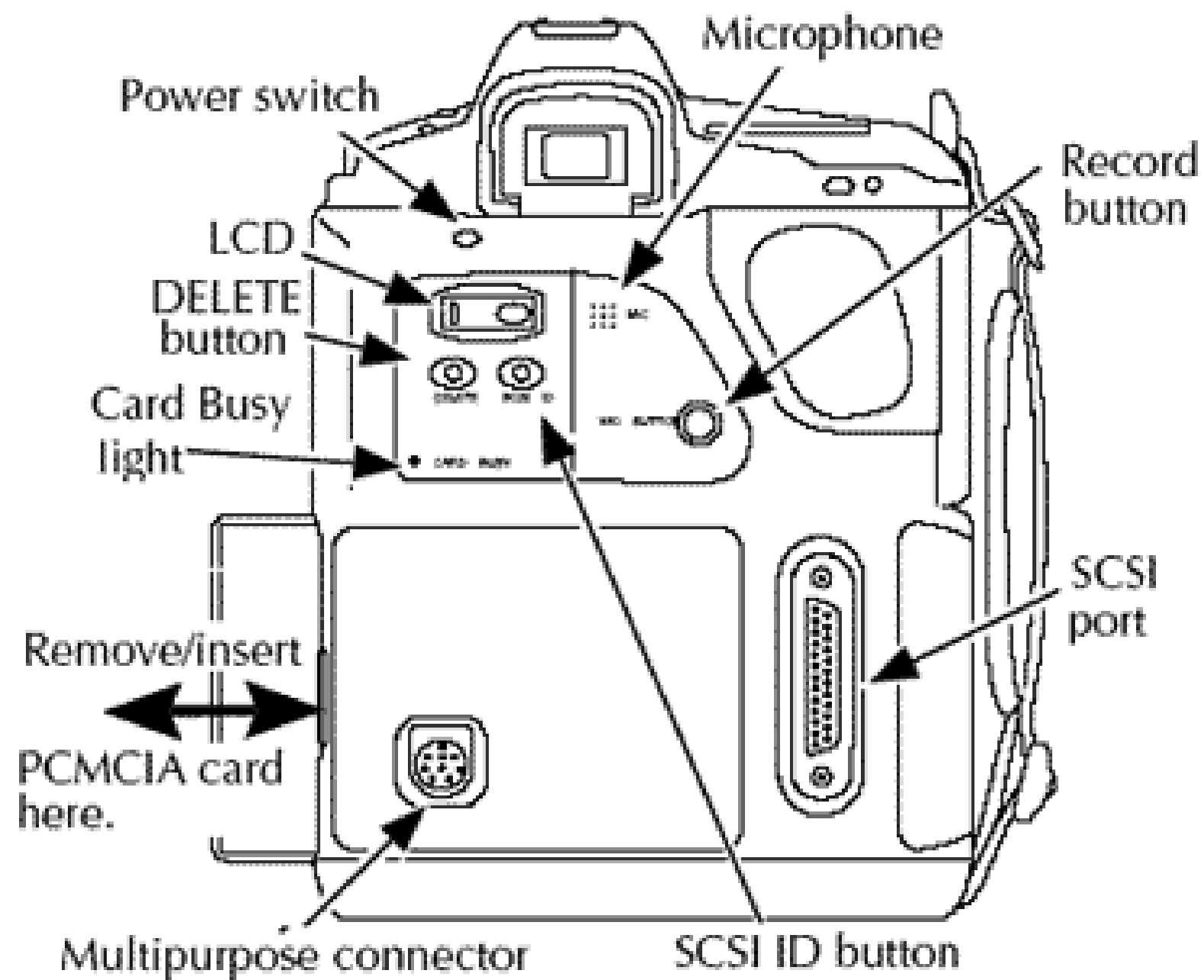
Lens side

Electronic contacts



Body side





















Finders for Nikon F5



DW-30



DA-30



DW-31





DP-20



DA-20

Finders for
Nikon F4



DW-20



DW-21

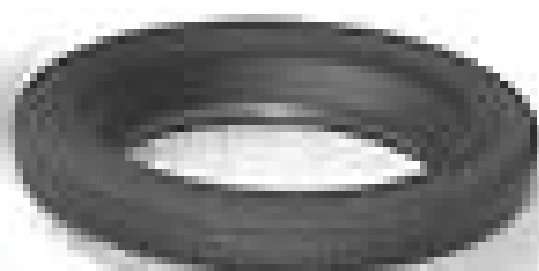


DP-20



DP-30 Ti





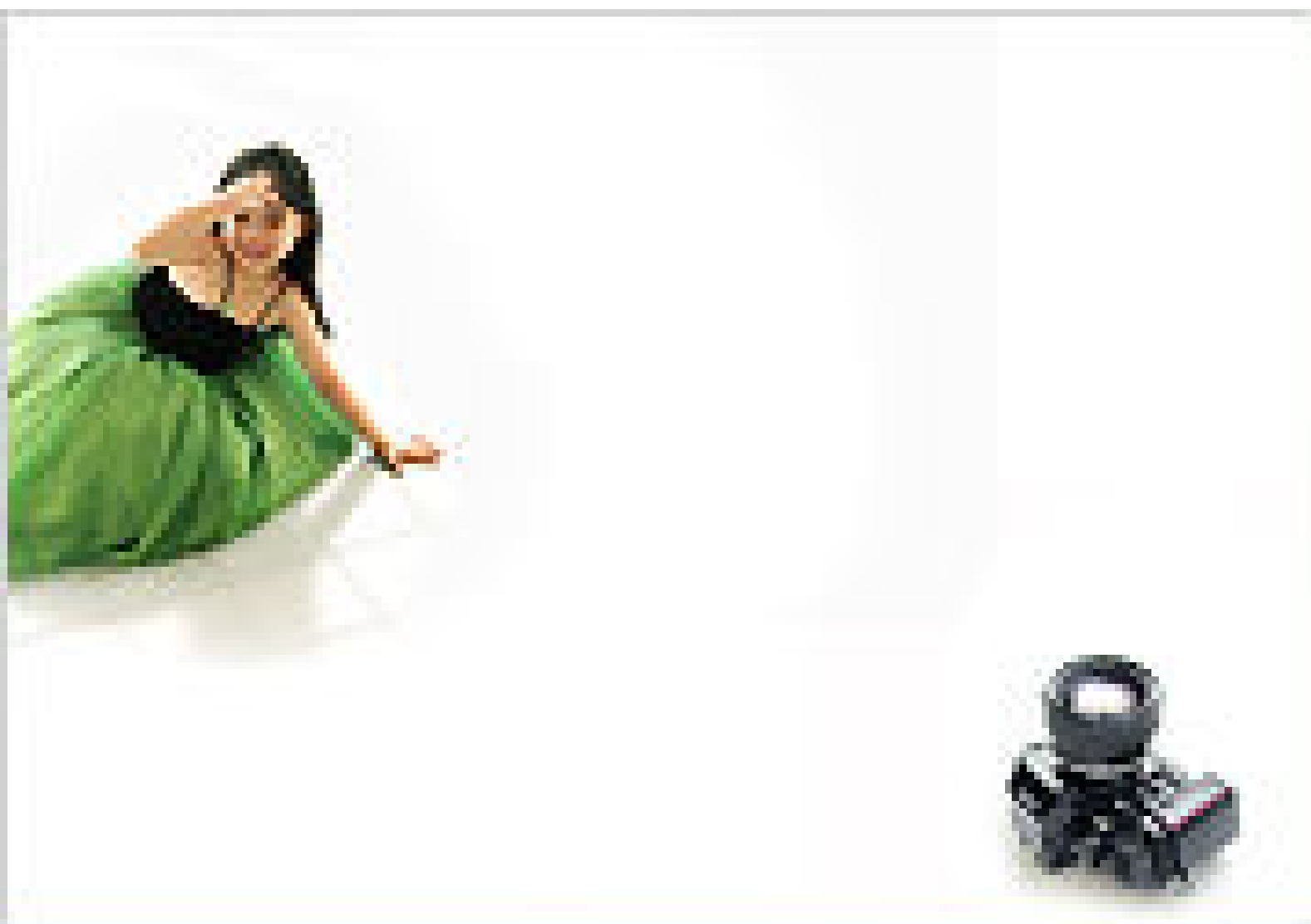




DG-2

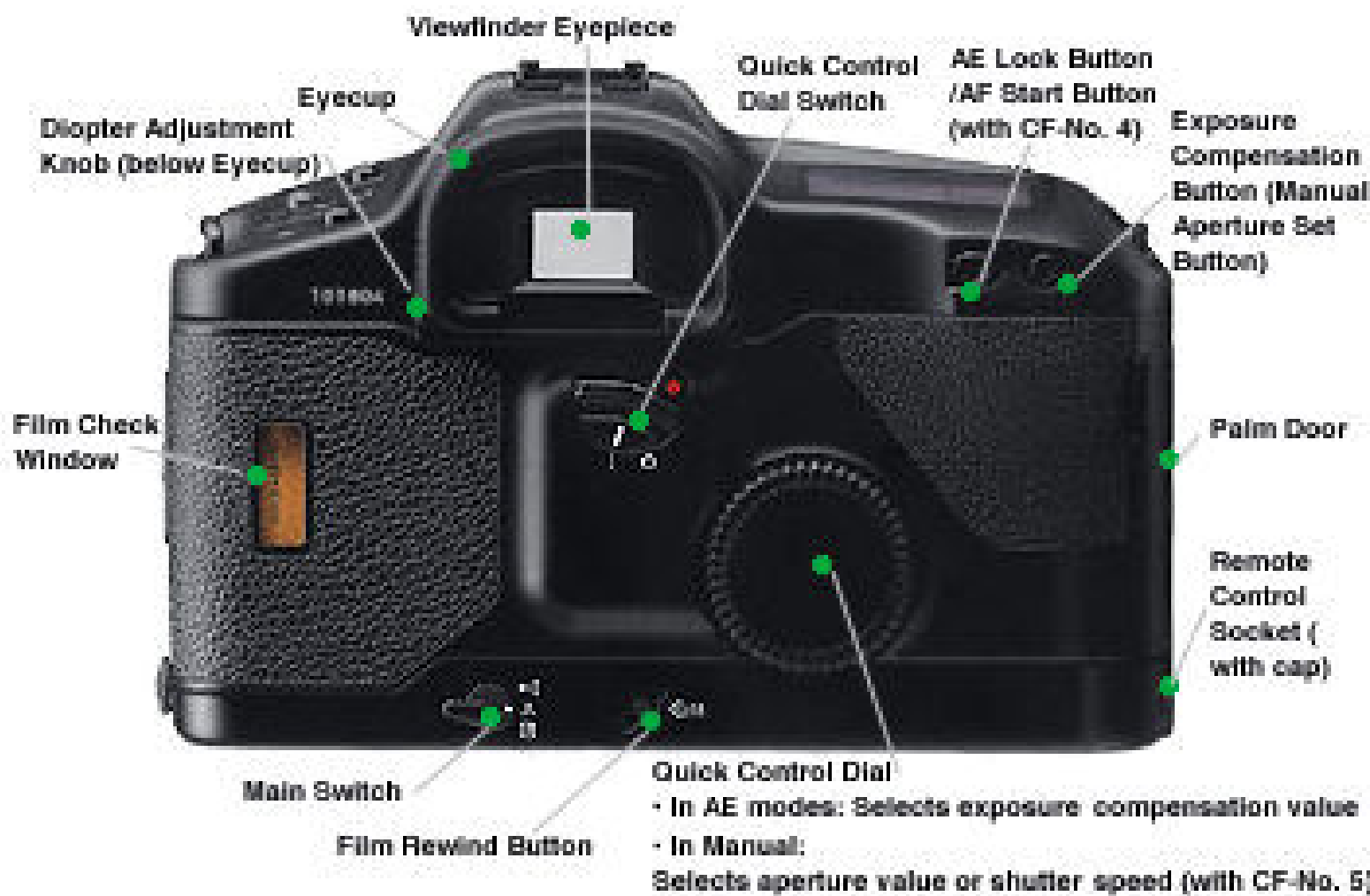




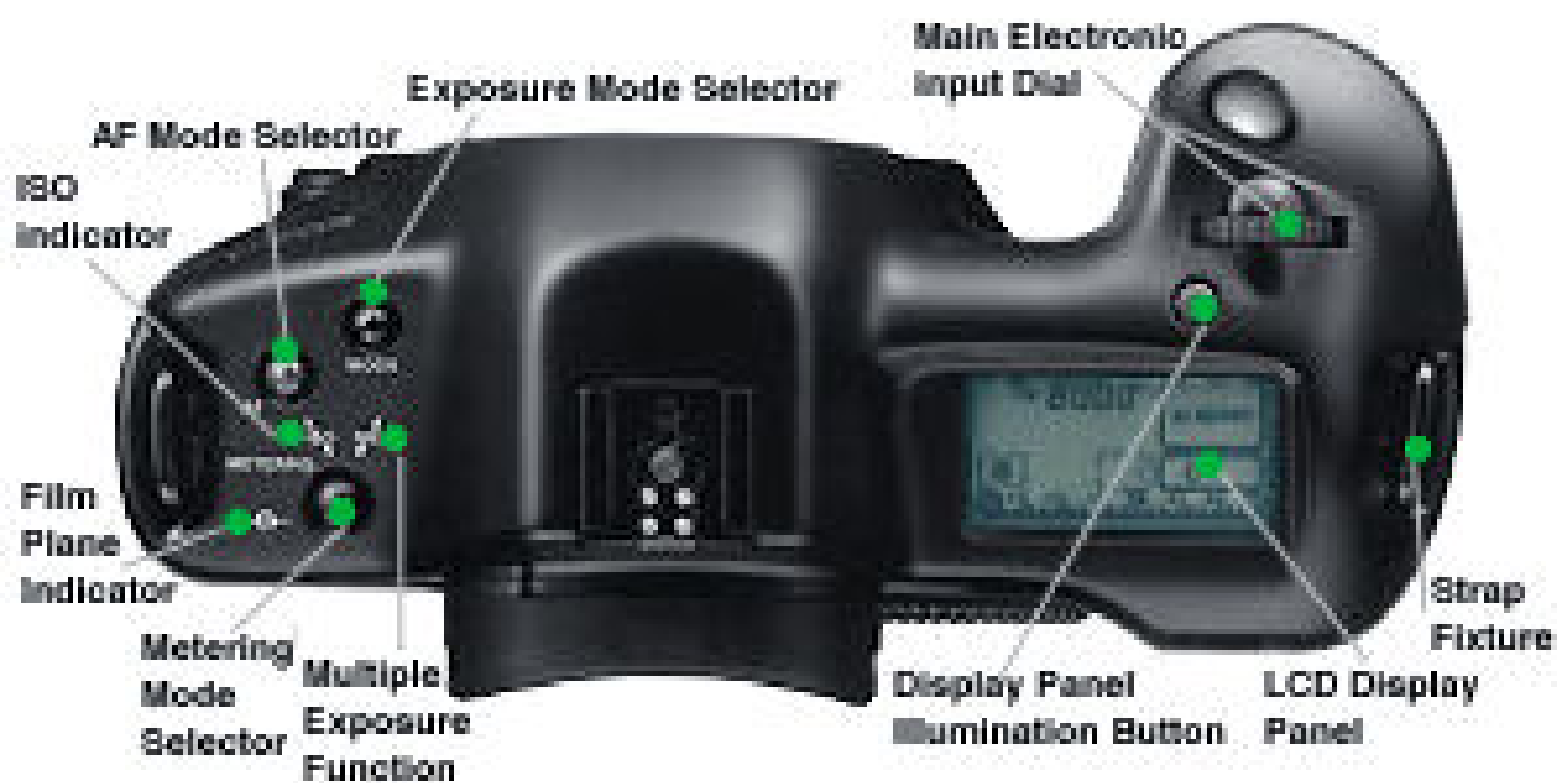














Tripod Bracket

Motor Drive Winding Coupler
(with cover)

Motor Drive
Positioning Hole

Grip Screw

Motor Drive
Coupling Pin

Viewfinder Information Display

Partial metering area mark
(8 mm diameter / 5.8%)

Autofocus Frame

Spot metering area mark
(5 mm diameter / 2.3%)



Laser-matte screen

Enlarged
View
available

Manual exposure indicator

AE Lock Indicator

Shutter speed digital display

Depth-of-Field AE Indicator

Aperture Value digital Display

AF In-focus mark

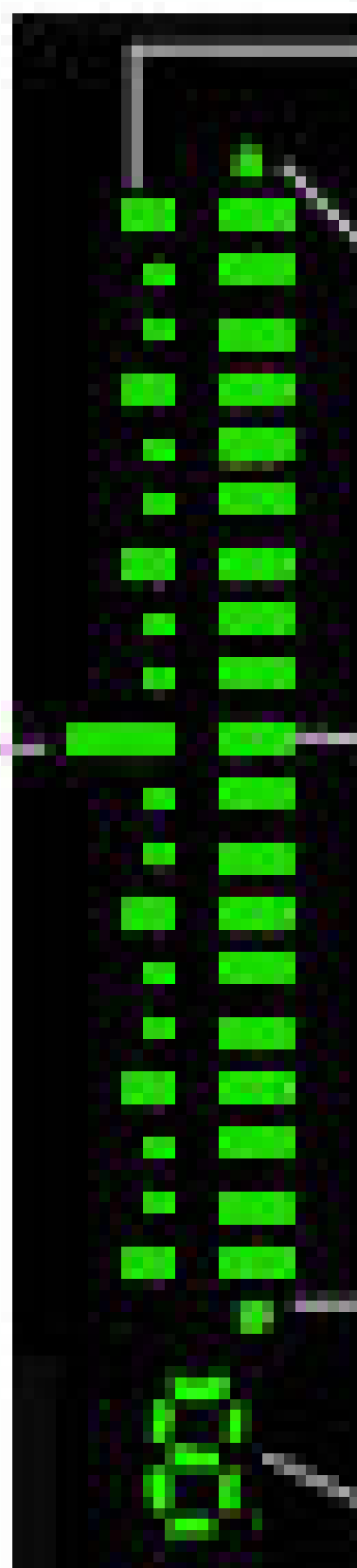
Lights Up when focus is obtained.

Blinks at 8 Hz when AF is not possible.

Flash charge completion

Exposure compensation indicator

Correct exposure position mark



Exposure level scale

1 Stop 1/3 Stop

Over-exposure indicator

Exposure level indicator

Under-exposure indicator

Remaining frame counter
(F, 9 - 0)



**Custom Function
Set Button**

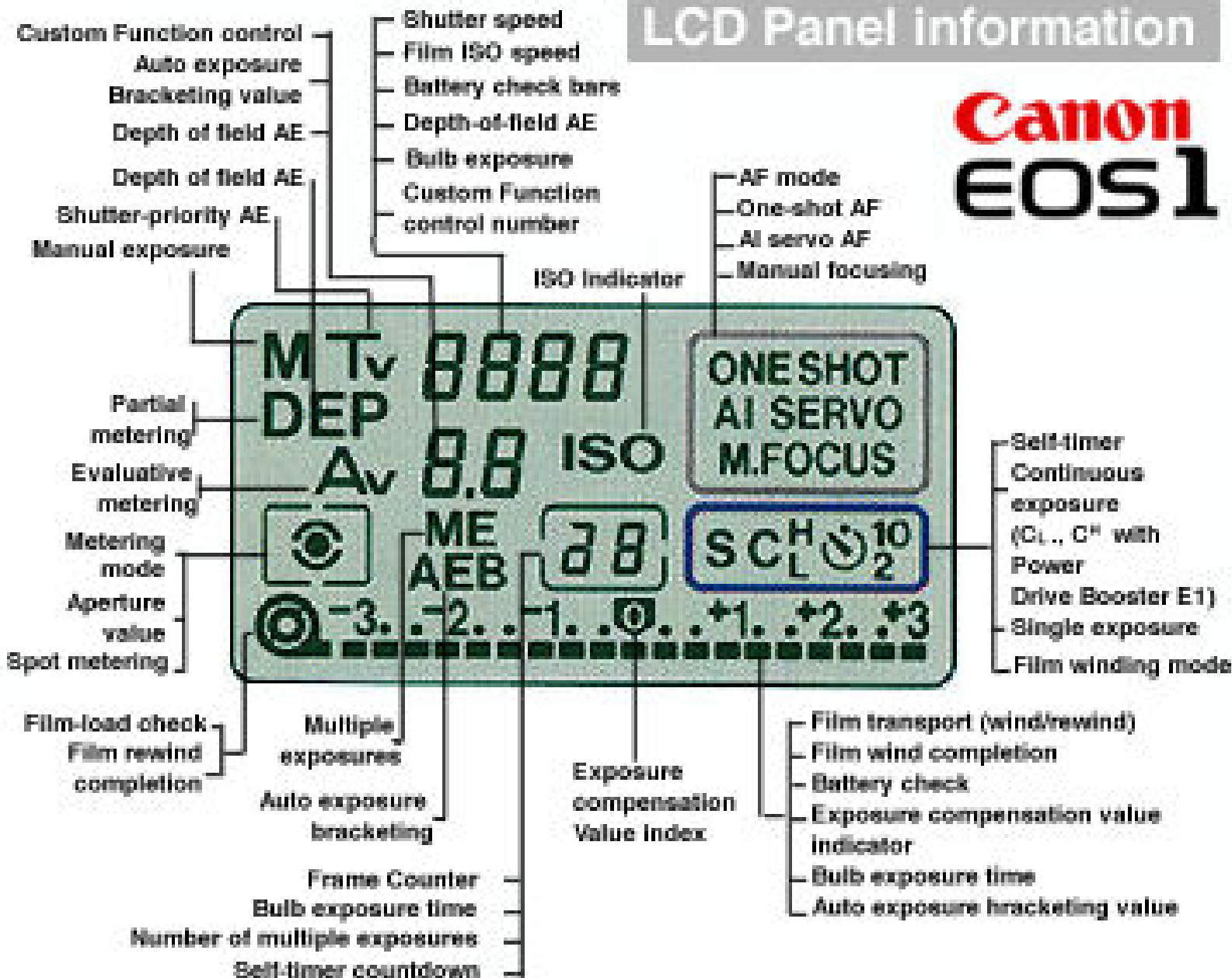
**Battery Check
Button**

**Film Winding
Mode Selector**

**Mode Clear
Button (White)**

LCD Panel information

Canon
EOS 1



**REAR VIEW of
a Canon F-1 with
Power Booster**

Serial Number

100813

Command
Wheel

Remote
Terminal

Battery
Compartment
Cover





