

Camera-1

DSLR Camera with EF-S18-135mm f/3.5-5.6 IS USM lens

32.5MP APS-C CMOS Sensor + DIGIC 8
Dual Pixel CMOS AF
45 cross-type AF (Optical Viewfinder)
Face detection (Optical Viewfinder & Live View)
5,481 selectable focus positions (Live View)
Eye Detection AF (One-Shot & Servo AF – Live View)
4K Video (Uncropped/Cropped)

Specifications

AF Modes	OVF: One-Shot AF, AI Servo AF, AI Focus AF Live View: One-Shot AF, Servo AF, AI Focus AF
AF Point Selection	Automatic selection, Manual selection
AF System Points	OVF: 45 AF Points Live View: 5,481 selectable focus positions
Built-in Flash	YES
Closest Focusing Distance (cm)	39
Continuous Shooting Speed (Shots Per Sec) (Up To)	OVF: 10fps (One-Shot AF & AI Servo AF) Live View: 11fps (One-Shot AF), 7fps (Servo AF)
Dimensions (Excl. Protrusions) (mm) (Approx.)	140.7 x 104.8 x 76.8
Drive System	Nano USM
Effective ISO	100 - 25,600 (H:51,200)
Effective Pixels (Megapixels)	32.5
Exposure Compensation	OVF: $\pm 5^*$ stops in 1/3- or 1/2-stop increments Live View: ± 3 stops in 1/3- or 1/2-stop increments AEB: ± 3 stops in 1/3- or 1/2-stop increments
Eye Detection AF	Live View: One-Shot AF & Servo AF

Flash Modes	E-TTL II Autoflash, FE Lock, Manual pop-up, Retractable, Built-in
Focal Length (35mm Equivalent)	28.8-216.0mm (7.5x)
Guide Number ISO 100 metres	12
Image Resolution	6960 x 4640 (L) 4800 x 3200 (M) 3472 x 2320 (S1) 2400 x 1600 (S2) 6960 x 4640 (RAW/C-RAW)
Image Stabilizer	Lens-shift type & In-body 5-axis electronic image stabilisation
LCD Monitor (Size) (Inch)	3.0
LCD Monitor Resolutions (dots)	1,040,000
Manual Focus	YES
Memory Card Type	SD, SDHC*, SDXC*, *UHS-I & UHS-II cards compatible
Metering Mode	Evaluative, Partial, Spot, Centre-weighted average
Movie Format	MP4
Optical Zoom	7.5x
Optional Power	AC Power (AC Adapter AC-E6N and DC Coupler DR-E6)
Peripheral Connections	Hi-Speed USB, HDMI (Type C) / Microphone / Headphone / Remote
Processor Type	DIGIC 8
Sensor Size	APS-C
Shooting Modes	Scene Intelligent Auto, Special scene modes (Portrait, Group Photo, Landscape, Sports, Kids, Panning, Close-up, Food, Candlelight, Night Portrait, Handheld Night Scene, HDR Backlight Control), Creative filters (Grainy B/W, Soft focus, Fish-eye effect, Water painting effect, Toy camera effect, Miniature effect, HDR art standard, HDR art vivid, HDR art bold, HDR art embossed), Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb, Custom mode 1, Custom mode 2
Shutter Speed Range (Sec.)	OVF: 30 - 1/8000, Bulb Live View: 30 – 1/16000, (1/16000-1/10000, electronic shutter), Bulb
Silent Shutter	Available in Live View: Single Shot
Standard Power Supply	Battery Pack LP-E6/LP-E6N
Still Image Format	JPEG, RAW, C-RAW, RAW + JPEG, C-RAW + JPEG
Viewfinder Coverage (Approx.)	100%
Viewfinder Type	Eye-level pentaprism
Weight (g) (Including the battery and memory card) (Approx.) *For camera kits, weight includes kit lens(es).	1216g

White Balance	Auto (Ambience priority), Auto (White priority), Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom White balance correction, Color temperature White balance bracketing provided * Flash color temperature information transmission possible
X-sync (sec.)	1/250

Flash Unit

Specifications	
Power: Guide No (ISO 100)	154' / 47m (at 105mm)
Angle of Flash Coverage	
Auto	24-105mm
Manual	
With Diffuser	14mm
AF Assist Beam	
AF Assist Beam Type	Infrared AF-assist beam
AF Assist Beam Points	1 to 16
AF Assist Beam Min Focal Length	28mm
AF Assist Beam Range – Center	2.3–32.8'/0.7–10.0m
AF Assist Beam Range – Periphery	3.3–16.4'/1.0–5.0m
Flash Exposure Modes	
Auto Exposure Standards Supported	E-TTL II/E-TTL
External Auto Flash Exposure Sensor	N
Manual Flash Exposure	Y
Features Controllable from Flash	
High Speed Sync	Y
Flash Exposure Lock (FEL)	Y
Flash Exposure Compensation (FEC)	Y
Flash Exposure Bracketing (FEB)	Y
Second Curtain Flash Sync	Y
Modelling Flash	Y
Color Temperature Info Communication	Y

Supports Flash Settings by Camera Menu	Y
<small>(Enables many options not available directly on the flash)</small>	
Custom Functions	10
Personal Functions	9
Wireless Flash Capabilities	
Wireless Flash Transmitter Capability	N
Wireless Transmission Type	
Transmitter Max Range – Indoors	32.8' (10m)
Transmitter Max Range – Outdoors	19.7 - 32.8' (6m / 10m)
Wireless Flash Slave Capability	Optical
Wireless Flash Groups	3
Wireless Flash Channels	4
Remote Shutter Release Capability	N
Flash Head Movement Range	
Flash Head Movement Up	0°-120°
Flash Head Movement Down	
Flash Head Movement Left	0°-180°
Flash Head Movement Right	0°-180°
Flash Features	
Dust and Water Resistance	N
PC Terminal	N
Power Source	
Power Source	4x AA
Number of Flashes (approx)	140–966
Recycling Time – NiMH (approx)	0.1 to 3.5 sec.
Recycling Time – Alkaline (approx)	0.1 - 5.5 sec.
External Power Source	

Size	
Size (WxHxD)	2.94 x 5.13 x 4.14 " (74.6 x 130.4 x 105.1mm)
Weight	13.6 oz (385g)

Tripod stand

Weight

2 kg

Maximum Height

151 cm

Closed Length

40 cm

Head Type

3 Way Head

Safety Payload UNI/PdR 105:2021

6 kg

Safety Payload Weight

6 kg

Maximum Height (With Center Column Down)

132 cm

Base Diameter

40 mm

Bubble Spirit Level (No.)

3

Center Column

rapid

Colour

Black

Leg Sections

4

Top Attachment

1/4" screw

Base Type

44 mm

Easy Link

Yes

Front Tilt

+90°/-45°

Min Height

42 cm

Independent Pan Lock

yes

Ball Locking

No

Independent Tilt Lock

yes

Lateral Tilt

+90°/-80°

Leg Type

Single

Leg Angles

22°, 54°, 89°

Leg Lock Type

Flip Lock

Legs Tube Diameter

12, 15.5, 19, 22.5 mm

Material

Aluminium

Maximum Working Temperature

70 °C

Minimum Working Temperature

-30 °C

Pan Drag

fluid cartridge with fixed drag

Panoramic Rotation

360° °

Plate Type

200PL PRO

Quick Release

Yes

Tilt Drag

fluid cartridge with fixed drag

Camera-2

4K UHD YCC 4:2:0 8-bit 25P/30P* internal recording;
MP4 format supported
20x 4K zoom lens (29.3 - 601mm[^])
Optical image stabilization with Dynamic IS (5-axis image stabilization)
SD card slots x 2; HDMI output

Specifications

Standard Definition or High Definition

4K Ultra High Definition

Power Supply (rated)

7.4V DC (Battery Pack), 8.4V DC (DC IN)

Television System

NTSC

Video Recording system

Compression: MPEG-4

File Format: MP4

Audio Recording system

MP4: MPEG-2 AAC-LC (2ch)

LPCM (4ch), not available during 1280x720 recording)

Image Sensor

1/2.3-inch CMOS, RGB Primary Color Filter

Total Pixels

Approx. 21.14 megapixels

Effective Pixels

Approx. 8.29 megapixels (3840 x 2160)

Lens

Zoom Ratio: 20x Optical / 400x Digital

Focal Length: 3.67-73.4mm (35mm equivalent: 29.3-601mm with Standard IS/IS Off, 30.6-612mm with Dynamic IS)

Zoom Speed: Variable speed / Constant speed (16 levels); Fast, Normal or Slow

Max. F/Stop: f/1.8-2.8

Focusing System

Hybrid AF (TTL-video signal detection system and external phase difference metering system),

Normal AF (TTL-video signal selection system), Face Only AF, Manual Focus

Hybrid AF Controls: Instant AF, Medium AF

Manual Exposure

Available

Programmed AE

Auto Mode: Smart Auto

Manual Mode: P, Tv, Av, M (Manual Exposure), SCN (Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks)

Max Shutter Speed

1/2000 sec.

Minimum Focusing Distance

10mm (at wide end), 60cm (from lens front) across zooming range

White Balance

Auto, Preset (Daylight, Shade, Cloudy, Tungsten, Fluorescent H, Fluorescent), Color Temperature Settings (2,000-15,000K), Set (1/2)

Frame Rate

4K UHD: 30p, 24p

FHD: 60p, 30p, 24p

Minimum Illumination

P Mode: Approx. 1.2 lux (shutter speed 1/30 sec., with auto slow shutter on)

Low Light Mode: Approx. 0.1 lux (shutter speed 1/2 sec.)

Image Stabilization

Optical system (lens shift) + electronic stabilization

Control Modes: Dynamic IS, Powered IS*, Macro IS, Tripod Mode

IS Modes other than Intelligent IS: Standard IS, IS Off

Filter Diameter

58mm

Viewfinder

0.24-inch TFT wide color LCD screen, approx. 1.56 million dots, 100% field of view

LCD Screen

3.0-inch LCD panel with AR surface treatment, approx. 460,000 dots, 100% field of view

Microphone

Stereo (using electret condenser microphone)

Recording Media

2 SD/SDHC/SDXC memory card slots

USB Terminal

mini-B receptacle and Hi-Speed USB supported (output only)

Video Terminal

3.5mm diameter 4-pole mini-jack (video/audio output only)

Accessory Shoe

Cold shoe

HDMI Terminal

HDMI™ mini connector

Microphone Terminal

3.5mm diameter stereo mini-jack, MIC/LINE switching possible

AV Mini Terminal/Headphone Terminal

3.5mm stereo mini-jack

Headphone Terminal

3.5mm stereo mini-jack

Remote Control Terminal

2.5mm stereo mini jack (input only)

Operating Temperature range

For Performance: Approx. 0-40°C, 85% (relative humidity)

For Operation: Approx. -5-45°C, 60% (relative humidity)

Dimensions

Approx. 4.3 x 3.3 x 7.2 in. / 109 x 84 x 182mm (excluding lens hood, mic holder unit and handle unit)

Approx. 4.5 x 3.3 x 9.1 in. / 115 x 84 x 231mm (including lens hood; excluding mic holder unit and handle unit)

Approx. 5.2 x 7.1 x 9.1 in. / 131 x 180 x 231mm (including lens hood, mic holder unit and handle unit)

All dimensions exclude the grip belt.

Weight (not including lens hood and eyecup)

Approx. 1.6 lbs. (730g) (body only)

Weight

Approx. 2.5 lbs. (1120g)