

Camera

Sensor Type

Full Frame CMOS Sensor

Sensor Size

35.9 x 24.0 mm (Diagonal 43.3mm)

Effective Pixels

24.63M

Dynamic Range

15 stops

Lens Mount

EF Mount w/active lock (interchangeable to optional PL, LPL and M)

Microphone

Built-in Stereo Microphone

Recording

Resolution & Max Frame Rate

- 30fps max @ Open Gate (6064x4040)
- 48fps max @ C6K (6064x3196)
- 60fps max @ 6K 2.4:1 (6064x2560)
- 48fps max @ 6K (5760x3240)
- 30fps max @ 5K 4:3 (5376x4032)
- 60fps max @ C5K (5120x2700)
- 30fps max @ 5K 6:5 (4848x4040)
- 60fps max @ 5K (4800x2700)
- 50fps max @ 4K 4:3 (4096x3072)*
- 30fps max @ C4K 3:2 (4096x2732)
- 90fps max @ C4K (4096x2160) *
- 120fps max @ C4K 2.4:1 (4096x1728)
- 30fps max @ 4K 6:5 (4080x3400)
- 90fps max @ 4K (3840x2160)
- 170fps max @ S16 16:9 (2112x1188)
- 170fps max @ 1080P (1920x1080)

* supersampling / cropping selectable, 4K supersampling is supported at the same frame rates as C6K resolution mode.

Video Encoder

H.264 / H.265 / ProRes 422 Proxy / ProRes 422 LT / ProRes 422 / ProRes 422 HQ / ZRAW*

RAW over HDMI

ProRes RAW (using Atomos Ninja V); BRAW (using BMD VideoAssist)

Color Bit-depth

10-bit 4:2:0 (H.265) / 8-bit 4:2:0 (H.264)

Audio Format

16-bit 48 kHz

Audio Encoder

AAC / PCM (for MOV only)

File Format

MOV / MP4

Record Mode

Video / Time Lapse Video / Still Image Capture

Settings

ISO

Auto, Manual (400 ~ 128000), Dual Native ISO: 400 / 2500

Shutter

"Shutter Speed: Auto, Manual (1"~ 1/8000")
Shutter Angle: Auto, Manual (1° ~ 360°)"

White Balance

Auto, Preset, Manual (2300K ~ 30000K)

Focus Mode

MF / AF / CAF

Image

Brightness / Contrast / Saturation / Sharpness / Gamma Setting

Image Config

Rec.709, Z-Log2, Flat, Concert, Vivid 0, Vivid 1, Vivid 2, HLG, Gamma

Time Code

Current Time / Manual Input / External Input

Storage

Storage Media

CF Express Type B

File System:

exFAT

Connectivity

HDMI

HDMI 2.0 Type A (up to 4K DCI 60p, 10-bit 4:2:2)

SDI

3G-SDI

Timecode In

LTC Timecode Input via BNC

Genlock

BB/Tri-Level Genlock Input via BNC

USB

USB 3.0 Type C for camera control & data transfer only

Remote Port

2.5 mm jack socket (Sony LANC compatible)

Audio In

3.5 mm stereo jack socket (TRS) or 5-pin LEMO port for dual channel XLR microphone (require additional XLR audio connector)

Audio Out

3.5 mm stereo jack socket

Wi-Fi

5G, up to 802.11n, external antenna port

CTRL

Serial port

Ethernet

Gigabit Ethernet port

Power

Battery

Mini V-Lock 14.8V (Battery not included)

Power Input

DC 12~18V (2-pin LEMO socket) / PoE+ (802.3at)

Power Output (AUX)

DC 12V 2A (2-pin LEMO socket)

Power Consumption

50W maximum, not inclusive of AUX power consumption

Physical

Camera Body
Aluminum Alloy

Weight - Camera (w/o Lens)
1.21kg (with EF mount)

Weight - Full Package
1.55kg

Dimensions (HxWxL) - Camera
105 x 98 x 136.5 mm / 4.13 x 3.86 x 5.37 inch (EF Mount)

Dimensions (HxWxL) - Package
145 x 195 x 162 mm / 5.71 x 7.68 x 6.38 inch

Environment

Storage Temperature
-20 °C ~ 60 °C

Operation Temperature
0 °C ~ 40 °C