

Z CAM *E2-M4* - 4K Cinema Camera

Technical Specifications

Disclaimer: All product features and technical specifications stated are subjected to Z CAM 's sole interpretation and explanation. Product specifications reflect both current and projected information. Everything is subject to change.

<p style="text-align: center;">Camera Features</p> <p>Sensor Type = 4/3" WDR CMOS Sensor</p> <p>Sensor Size = 19.0 x 13.0 mm</p> <p>Effective Pixels = 10.28M</p> <p>Dynamic Range = 13~15 Stops (Z-Log2) / 16 Stops (with WDR activated)</p> <p>Lens Mount = MFT mount (interchangeable)</p> <p>Microphone = Built-in Stereo Microphone</p> <p style="text-align: center;">Recording</p> <p>Resolution</p> <p>4096 x 2160 (C4K) / 3840 x 2160 (4K) 4096 x 1728 (C4K 2.4:1) / 3840 x 1620 (4K 2.4:1) 3696 x 2772 / 3312 x 2760 2704 x 1600 / 1920 x 1080</p> <p>Frame Rate = 59.94 / 50 / 29.97 / 25 / 24 / 23.98 fps</p> <p>Max Variable Frame Rate</p> <p>120 fps for 4096 x 2160 (H.265 only) 120 fps for 3840 x 2160 (H.265 only) 150 fps for 4096 x 1728 (H.265 only) 160 fps for 3840 x 1620 (H.265 only) 160 fps for 2704 x 1600 (H.265 only) 59.94 fps for 3696 x 2772 59.94 fps for 3312 x 2760 240 fps for 1920 x 1080 (H.265 only) * Please refer to "Appendix 1" for more detail of the max frame rate for different encoders.</p> <p>Max Bit Rate - H.265 / H.264</p> <p>300 Mbps for 4096 x 2160 / 3840 x 2160 / 4096 x</p>	<p>Audio Format = 24-bit 48 kHz</p> <p>Audio Encoder = AAC / PCM (for MOV only)</p> <p>File Format = MOV / MP4</p> <p>Record Mode = Video / Time Lapse Video</p> <p style="text-align: center;">Settings</p> <p>ISO</p> <p>Auto, Manual (500 ~ 102400 / 250 ~ 51200 with WDR activated), Native ISO: 500 / 2500 (250 / 1250 with WDR activated)</p> <p>Shutter</p> <p>Shutter Speed: Auto, Manual (up to 1/8000") or Shutter Angle: Auto, Manual (1° ~ 360°)</p> <p>White Balance = Auto, Preset, Manual (2300K ~ 7500K)</p> <p>Focus Mode = MF / AF / CAF</p> <p>Image = Brightness / Contrast / Saturation / Sharpness</p> <p>Image Profile = Rec.709 / Z-Log2 / FLAT / HLG</p> <p>Audio = Audio In / Out Level</p> <p>Time Code = Current Time / Manual Input / External Input</p> <p style="text-align: center;">Storage</p> <p>Media = CFAST 2.0</p> <p>File System = exFAT</p> <p style="text-align: center;">Connectivity</p>
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<p>1728 / 3840 x 1620 / 3696 x 2772 / 3312 x 2760 / 2704 x 1600 200 Mbps for 1920 x 1080</p> <p>Color Bit Depth = 10-bit (H.265) & 8-bit (H.264)</p> <p>Video Encoder = ZRAW (partial debayer) / Proxy / H.265 main 10 profile / H.264 high profile</p> <p>Remote Control = 2.5 mm jack socket (Sony LANC compatible)</p> <p>Audio-in = 3.5 mm stereo jack socket for active microphone only, or 5-pin LEMO port for dual channel XLR microphone (requires additional XLR audio connector)</p> <p>Audio-out = 3.5 mm stereo jack socket</p> <p>Wi-Fi = 5G Wifi</p> <p>Ethernet = Gigabit Ethernet port for control, setting & live streaming</p> <p style="text-align: center;">Power</p> <p>Battery = Sony NP-F series compatible (Battery not included)</p> <p>External Power Supply = DC 12V 5A (4-pin LEMO socket), with LEMO connector and AC/DC power adapter</p> <p style="text-align: center;">Physical</p> <p>Material = Aluminum Alloy</p> <p>Weight = 1090g (EF mount) / 1160g (PL mount) / 930g (MFT mount)</p> <p>Dimensions (W x H x D) - (without lens) 91.20mm x 99.25mm x 95.60mm</p> <p style="text-align: center;">Environment</p> <p>Storage Temperature = -20 °C ~ 60 °C</p> <p>Operation Temperature = 0 °C ~ 40 °C</p>	<p>HDMI = HDMI 2.0 Type A (video output up to C4K @60fps)</p> <p>USB = USB 3.0 Type C for camera control & data transfer only</p> <p>COM = DB-9 connector, supports RS-232</p>
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