

# Technical Specifications

Disclaimer: All product features and technical specifications stated are subjected to Z CAM's sole interpretation and explanation. Specifications are subject to change without notice.

|               |                                                             |
|---------------|-------------------------------------------------------------|
| Camera        |                                                             |
| Sensor Type   | Global Shutter CMOS Sensor                                  |
| Sensor Size   | 27.9mm (diagonal)                                           |
| Dynamic Range | 14 Stops                                                    |
| Lens Mount    | EF mount (with optional M, MFT, PL and LPL mount accessory) |
| Microphone    | Built-in Stereo Microphone                                  |

|                             |                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recording                   |                                                                                                                                                                                                                                                                                                                                             |
| Resolution & Max Frame Rate | 6144x4096 @30fps max (Open Gate)<br>6144x3240 @30fps max (6K DCI)<br>5760x3240 @30fps max (6K UHD)<br>6144x2592 @50fps max (6K 2.4:1)<br>4096x2160 @56fps max (4K DCI) *<br>4096x1728 @70fps max (4K DCI 2.4:1)*<br>3840x2160 @56fps max (4K UHD) *<br>1920x1080 @70fps max (FHD)<br><br>* supersampling / cropping selectable when < 30fps |
| Video Encoder               | H.265 main 10 profile / H.264 high profile / ProRes 4:2:2 & ProRes 4:2:2 HQ / ZRAW *<br>* Limited to certain resolution and frame rate combinations                                                                                                                                                                                         |
| Bit Rate                    | 300 Mbps max for H.265 & H.264 / 1.2 Gbps for ZRAW                                                                                                                                                                                                                                                                                          |
| Color Bit-depth             | 10-bit 4:2:0 (H.265) / 8-bit 4:2:0 (H.264) / 10 bit ProRes 4:2:2 & ProRes 4:2:2 HQ                                                                                                                                                                                                                                                          |
| Audio Format                | 16-bit 48 kHz                                                                                                                                                                                                                                                                                                                               |
| Audio Encoder               | AAC / PCM (for MOV only)                                                                                                                                                                                                                                                                                                                    |
| File Format                 | MOV / MP4                                                                                                                                                                                                                                                                                                                                   |
| Record Mode                 | Video / Time Lapse Video                                                                                                                                                                                                                                                                                                                    |

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| Settings      |                                                                                       |
| ISO           | Auto, Manual (1250 ~ 20000), Native ISO: 1250                                         |
| Shutter       | Shutter Speed: Auto, Manual (1" ~ 1/8000") or Shutter Angle: Auto, Manual (1° ~ 360°) |
| White Balance | Auto, Preset, Manual (2300K ~ 7500K)                                                  |
| Focus Mode    | MF / AF / CAF                                                                         |
| Image         | Brightness / Contrast / Saturation / Sharpness                                        |
| Image Profile | Rec.709 / Z-Log2 / FLAT / HLG / Concert / Vivid                                       |
| Audio         | Audio In / Audio Out Level                                                            |
| Time Code     | Current Time / Manual Input                                                           |

|                |                                                                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage        |                                                                                                                                                    |
| Media          | CFAST 2.0                                                                                                                                          |
| File System    | exFAT                                                                                                                                              |
| Connectivity   |                                                                                                                                                    |
| HDMI           | HDMI 2.0 Type A (video output up to DCI 4K @60fps, 10-bit 4:2:2)                                                                                   |
| USB            | USB 3.0 Type C for camera control & data transfer only                                                                                             |
| COM            | 2 x Serial Port                                                                                                                                    |
| Remote Control | 2.5 mm jack socket (Sony LANC compatible)                                                                                                          |
| 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) |
| Audio-out      | 3.5 mm stereo jack socket                                                                                                                          |
| Wi-Fi          | 5G, 802.11n with external antenna port                                                                                                             |
| Ethernet       | Gigabit Ethernet port                                                                                                                              |

|                    |                                                                 |
|--------------------|-----------------------------------------------------------------|
| Power              |                                                                 |
| Battery            | Sony NP-F series compatible, 6.8V ~ 8.4V (Battery not included) |
| Power Input        | DC 6.8V ~ 16.8V (2-pin LEMO socket), with LEMO connector        |
| Power Output (AUX) | DC 12V (2-pin LEMO socket)                                      |

|                        |                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical               |                                                                                                                                                                           |
| Material               | Aluminum Alloy                                                                                                                                                            |
| Weight                 | 1090g (EF mount) / 1160g (PL mount) / 930g (MFT mount)                                                                                                                    |
| Dimensions (W x H x D) | 91.20mm x 99.25mm x 122.25mm (EF mount)<br>91.20mm x 99.25mm x 133.35mm (PL mount)<br>91.20mm x 99.25mm x 95.60mm (MFT mount)<br>(Above weight & dimensions without lens) |

|                       |                |
|-----------------------|----------------|
| Environment           |                |
| Storage Temperature   | -20 °C ~ 60 °C |
| Operation Temperature | 0 °C ~ 40 °C   |

