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| <b>Physical</b>                       |                                                                                                                                                                                                                                                                                                                                 |
| Dimensions (W x H x D mm)             | 482mm x 310mm x 60mm                                                                                                                                                                                                                                                                                                            |
| Weight                                | 5.22 Kg                                                                                                                                                                                                                                                                                                                         |
| Mounting Points                       | 19-inch rack ears                                                                                                                                                                                                                                                                                                               |
| Rack height                           | 7 RU                                                                                                                                                                                                                                                                                                                            |
| VESA Mount                            | No                                                                                                                                                                                                                                                                                                                              |
| Environmental                         |                                                                                                                                                                                                                                                                                                                                 |
| Ambient Operating Temperature         | Up to 40 degrees Celsius                                                                                                                                                                                                                                                                                                        |
| <b>Construction</b>                   |                                                                                                                                                                                                                                                                                                                                 |
| Body                                  | Aluminium with ABS plastic                                                                                                                                                                                                                                                                                                      |
| Cooling                               | Actively controlled fan and heat sink                                                                                                                                                                                                                                                                                           |
| Touchscreen                           | Capacitive touch                                                                                                                                                                                                                                                                                                                |
| Tally Light                           | LED on front only                                                                                                                                                                                                                                                                                                               |
| Multi-Function Buttons                | Power + 6 assignable                                                                                                                                                                                                                                                                                                            |
| <b>Power</b>                          |                                                                                                                                                                                                                                                                                                                                 |
| Input voltage                         | DC 12V to 16.8V DC                                                                                                                                                                                                                                                                                                              |
| Operating Power                       | 75W                                                                                                                                                                                                                                                                                                                             |
| Compatible Batteries                  | Connect to either/both DC 4-pin XLR input                                                                                                                                                                                                                                                                                       |
| Battery Voltage                       | 14.4V nominal                                                                                                                                                                                                                                                                                                                   |
| Battery Power                         | Single battery input via dedicated 4-pin XLR                                                                                                                                                                                                                                                                                    |
| DC-In Connector                       | 1 x 4-pin XLR for included DC power supply                                                                                                                                                                                                                                                                                      |
| D-Tap                                 | Via third-party D-Tap to 4-pin XLR cable                                                                                                                                                                                                                                                                                        |
| <b>Display</b>                        |                                                                                                                                                                                                                                                                                                                                 |
| Size                                  | 19-inch                                                                                                                                                                                                                                                                                                                         |
| Resolution                            | 3840 x 2160 4K UHD                                                                                                                                                                                                                                                                                                              |
| Bit Depth                             | 10-bit (8+2 FRC)                                                                                                                                                                                                                                                                                                                |
| Backlight Type                        | Double Edge-Lit                                                                                                                                                                                                                                                                                                                 |
| Brightness (cd/m <sup>2</sup> / nits) | 1200                                                                                                                                                                                                                                                                                                                            |
| Aspect Ratio                          | 16:9                                                                                                                                                                                                                                                                                                                            |
| Color Gamut                           | 100% Rec.709, 99% DCI-P3, 99% NTSC, 87% BT.2020                                                                                                                                                                                                                                                                                 |
| Calibration Support                   | Calibrite Display Pro or Display Plus on PC/Mac with Atomos LANC cable (ATOMCAB018, sold separately)                                                                                                                                                                                                                            |
| <b>Color Pipeline</b>                 |                                                                                                                                                                                                                                                                                                                                 |
| Gamma                                 | Sony SLog / SLog2 / SLog3 / HLG, Canon C-Log / C-Log2 / C-Log3, ARRI Log CEI160 / LogCEI200 / LogCEI250 / LogCEI320, / LogCEI400 / LogCEI500 / LogCEI640 / LogCEI800 / LogCEI1000 / LogCEI1280 / LogCEI1600, Panasonic V-Log / HLG, JVC J-Log, Red RedLogFilm / Log3G10 / Log3G12, FujiFilm F-Log, PQ (HDR10), HLG, Nikon N-Log |
| Gamut                                 | DCI P3, DCI P3+, DCI-P3 D65, Rec709. Sony: S-Gamut / S-Gamut3 / S-Gamut3.cine / BT.2020 / Rec.709. Canon Cinema / Panasonic V Gamut / ARRI Alexa Wide Gamut / JVC LS300. RED DragonColor / DragonColor2 / RedColor2 / RedColor3 / RedColor4 / RedWideGamut                                                                      |
| 3D LUT Display                        | .Cube format (17 & 33 points supported)                                                                                                                                                                                                                                                                                         |
| 3D LUT Down Stream                    | Loop out                                                                                                                                                                                                                                                                                                                        |
| 3DLUT 50/50                           | Yes                                                                                                                                                                                                                                                                                                                             |
| Monitoring Modes                      | Native / HLG / PQ / 3D LUT                                                                                                                                                                                                                                                                                                      |
| HDR Output Conversion                 | Log / HDR to HLG / PQ                                                                                                                                                                                                                                                                                                           |
| <b>Video Input</b>                    |                                                                                                                                                                                                                                                                                                                                 |
| HDMI                                  | 1 x HDMI (2.0) up to 4K60P                                                                                                                                                                                                                                                                                                      |
| Locking port                          | No                                                                                                                                                                                                                                                                                                                              |
| SDI                                   | 2 x 12G-SDI (6G/3G backwards compatible) + 2 x 3G-SDI                                                                                                                                                                                                                                                                           |
| Wi-Fi                                 | No                                                                                                                                                                                                                                                                                                                              |

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| Bit Depth                                                          | 8/10-bit for video / up to 12-bit for RAW                                                                       |
| Video Chroma Subsampling                                           | YCbCr 4:2:0 & 4:2:2                                                                                             |
| HDR Output Conversion                                              | HDMI auto detection                                                                                             |
| <b>Video Output</b>                                                |                                                                                                                 |
| HDMI                                                               | 1 x HDMI (2.0) up to 4K60P                                                                                      |
| Locking port                                                       | No                                                                                                              |
| SDI loop through                                                   | 1 x 12G-SDI                                                                                                     |
| Wi-Fi                                                              | No                                                                                                              |
| USB                                                                | 2 x USB-C 2.0/3.0                                                                                               |
| Bit Depth                                                          | 8/10-bit video                                                                                                  |
| Video Chroma Subsampling                                           | 4:2:2                                                                                                           |
| <b>Metadata</b>                                                    |                                                                                                                 |
| SDI                                                                | File name – ARRI & RED.RAW – white balance, exposure index, shutter speed/angle, iris/F-stop, ISO, gamma, gamut |
| File naming - standard                                             | Scene / shot / take & rolling scene / shot / take                                                               |
| File naming - over SDI                                             | Auto-matched filenames from supported ARRI & RED Cameras                                                        |
| <b>Network</b>                                                     |                                                                                                                 |
| Ethernet                                                           | 1 x RJ45                                                                                                        |
| <b>Connectivity</b>                                                |                                                                                                                 |
| USB                                                                | 2 x USB-C 2.0/3.0                                                                                               |
| Bluetooth                                                          | No                                                                                                              |
| LANC                                                               | Yes                                                                                                             |
| <b>Video Signal Conversion</b>                                     |                                                                                                                 |
| HDMI to SDI                                                        | Yes                                                                                                             |
| SDI to HDMI                                                        | Yes                                                                                                             |
| <b>Audio In/Out</b>                                                |                                                                                                                 |
| Audio Quality                                                      | 24-bit / 48kHz                                                                                                  |
| Audio Codec                                                        | PCM                                                                                                             |
| HDMI                                                               | 8-channel, 24-bit (input dependent)                                                                             |
| SDI                                                                | 12-channel, 24-bit (input dependent)                                                                            |
| Analog Audio In                                                    | 2 x 3-pin XLR (female)                                                                                          |
| Analog Audio Out                                                   | 2 x 3-pin XLR (male)                                                                                            |
| Speakers                                                           | Mono confidence up to 1.5W                                                                                      |
| Headphone Out                                                      | 3.5mm headphone jack, 2-channel                                                                                 |
| <b>Timecode</b>                                                    |                                                                                                                 |
| Embedded                                                           | HDMI & SDI                                                                                                      |
| Time of Day                                                        | Yes                                                                                                             |
| Reference / Genlock input                                          | Yes (playback mode only)                                                                                        |
| LTC                                                                | LTC via dedicated BNC input (record mode only)                                                                  |
| Wireless AirGlu RF Server and Client                               | No                                                                                                              |
| Wireless AirGlu BT Server                                          | No                                                                                                              |
| <b>Resolution and Frame Rates (Record, Monitor &amp; Playback)</b> |                                                                                                                 |
| 6K RAW                                                             | Up to 6Kp30 via SDI                                                                                             |
| 4K RAW                                                             | Up to 4Kp60 via SDI                                                                                             |
| 2K RAW                                                             | Up to 2Kp240 via SDI                                                                                            |
| 4K DCI                                                             | Up to 4Kp60                                                                                                     |
| 4K UHD                                                             | Up to UHDp60                                                                                                    |
| 2K DCI 2048 x 1080                                                 | Up to 2Kp60                                                                                                     |
| 1080p                                                              | Up to 1080p120                                                                                                  |
| 1080 PsF                                                           | Only via pulldown to progressive                                                                                |
| 1080i                                                              | 1080i50 / 1080i60                                                                                               |
| 720p                                                               | Up to 720p60                                                                                                    |
| <b>Supported Media</b>                                             |                                                                                                                 |
| CF Express                                                         | Atomos certified CF Express Type B media                                                                        |
| USB                                                                | Atomos certified USB 3.0 media                                                                                  |
| File System                                                        | ExFAT                                                                                                           |
| <b>Codecs</b>                                                      |                                                                                                                 |

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| Apple ProRes RAW                  | ProRes RAW, ProRes RAW HQ                                                 |
| Apple ProRes                      | LT, 422, 422 HQ                                                           |
| Avid DNxHD                        | DNxHD 220x, 220, 145, 36                                                  |
| Avid DNxHR                        | LB, SQ, HQ, HQX                                                           |
| H.265                             | LQ, MQ, HQ, XQ in 8/10-bit, 4:2:2 and 4:2:0                               |
| H.264                             | Not supported                                                             |
| <b>Playback</b>                   |                                                                           |
| Playlist                          | Yes - create customer playlists from full or sub-clips                    |
| Loop                              | Yes, with user-customizable in/out markers                                |
| Apple ProRes Raw                  | Yes - recorded clips                                                      |
| Apple ProRes                      | HQ, 422, LT (linear PCM audio only)                                       |
| Avid DNx                          | DNxHD: 220x, 220, 145, 36 – DNxHR HQX, HQ, SQ, LB (linear PCM audio only) |
| H.265                             | Yes                                                                       |
| <b>Recording</b>                  |                                                                           |
| Pre-roll                          | 8s HD / 2s 4K - ProRes, DNxHD only                                        |
| Timelapse                         | Yes                                                                       |
| ISO recording                     | 4 x ISO up to 1080p60 (3G SDI Level A & B)                                |
| Switched program record           | Yes                                                                       |
| <b>Multi-input Switching</b>      |                                                                           |
| Dual Input Display                | Via multi ISO input mode                                                  |
| Multiple SDI Input                | Up to 4 x 1080p60 (3G SDI Level A & B)                                    |
| Multiview Display                 | Via multi ISO input mode                                                  |
| Input Switching                   | Yes                                                                       |
| <b>On-screen Monitoring Tools</b> |                                                                           |
| Waveform                          | 3 sizes – adjustable opacity & brightness                                 |
| RGB parade                        | 3 sizes – adjustable opacity & brightness                                 |
| Vectorscope                       | 2 sizes – adjustable opacity & brightness                                 |
| 1 x Zoom                          | Yes. 1:1 pixel mapping for 4K                                             |
| 2 x Zoom                          | Yes                                                                       |
| Focus Peaking                     | Color selected / threshold setting / color / mono / edges only            |
| Atomos False Color                | Yes, with scale                                                           |
| ARRI False Color                  | Yes                                                                       |
| EL Zone False Color               | Yes                                                                       |
| Zebra                             | Yes, adjustable                                                           |
| Isolate Color Channel             | Blue Only                                                                 |
| Cine Frame Guides                 | Presets for 2.4:1, 2.35:1, 1.9:1, 1.85:1, 4:3                             |
| Social Frame guides               | Presets for 9:16, 1:1, 191:1, 4:5                                         |
| Onion Skin                        | Yes                                                                       |
| Safe Areas                        | Action and graphic                                                        |
| Grid Markers                      | 9 grid                                                                    |
| Anamorphic Desqueeze              | 1.25x, 1.33x, 1.5x, 1.6x, 1.65x, 1.79x, 1.8x, 2x                          |
| Display Flip                      | Vertical only                                                             |
| <b>Onboard Signal Processing</b>  |                                                                           |
| 4K UHD downscale for HD           | Loop out - 4K UHD to FHD                                                  |
| DCI Crop                          | Loop out - 17:9 to 16:9 crop                                              |
| Pulldown removal                  | 24 / 25 / 30 pSF > 24 / 25 / 30p (2:2 pulldown), 60i > 24p (3:2 pulldown) |
| <b>Remote Control</b>             |                                                                           |
| HDMI                              | Auto HDMI trigger, supported protocols - Canon, Sony, Atomos              |
| SDI                               | SDI trigger camera selectable                                             |
| Serial 2.5mm Jack                 | Calibration via optional USB to serial cable                              |
| <b>Camera to Cloud</b>            |                                                                           |
| ATOMOSphere                       | Direct progressive upload supported (20GB free storage) over Ethernet     |

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| Adobe Frame.io     | Direct progressive upload supported (separate purchase) over Ethernet |
| Dropbox            | Direct progressive upload supported (separate purchase) over Ethernet |
| <b>Flight Pack</b> |                                                                       |
| Compatibility      | ATOMOS Shogun AV-19                                                   |
| Material           | aluminium-clad, fire-retardant HPL construction                       |
| Corner Protection  | 8 reinforced corners                                                  |
| Latches            | 12 heavy-duty toggle latches                                          |
| Carry Handle       | Integrated                                                            |
| Rack Rails         | 8 RU                                                                  |
| Storage            | additional storage with pockets for cables and accessories            |