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| Identity Number                     | K1.71700.0                                                                                                                                                                                                                                                                 |
| Model                               | AMIRA                                                                                                                                                                                                                                                                      |
| Sensor Type                         | Super 35 format ARRI ALEV III CMOS sensor with Bayer pattern color filter array                                                                                                                                                                                            |
| Sensor Maximum Resolution and Size  | 3200 x 1800<br>28.25 x 18.17 mm / 1.112 x 0.715"<br>ø 33.59 mm / 1.322"                                                                                                                                                                                                    |
| Sensor Frame Rates                  | 0.75 - 200 fps                                                                                                                                                                                                                                                             |
| Weight                              | ~4.1 kg / ~9.2 lbs<br>(camera body with PL lens mount)                                                                                                                                                                                                                     |
| Photosite Pitch                     | 8.25 µm                                                                                                                                                                                                                                                                    |
| Sensor Active Image Area Photosites | S16 HD: 1600 x 900<br>HD: 2880 x 1620<br>2K: 2868 x 1612<br>3.2K: 3200 x 1800<br>4K UHD: 3200 x 1800<br>ARRIRAW 16:9 2.8K: 2880 x 1620                                                                                                                                     |
| Sensor Active Image Area Dimensions | S16 HD: 13.20 x 7.43 mm / 0.520 x 0.292"<br>HD: 23.76 x 13.37 mm / 0.935 x 0.526"<br>2K: 23.66 x 13.30 mm / 0.932 x 0.524"<br>3.2K: 26.40 x 14.85 mm / 1.039 x 0.585"<br>4K UHD: 26.40 x 14.85 mm / 1.039 x 0.585"<br>ARRIRAW 16:9 2.8K: 23.76 x 13.37 mm / 0.935 x 0.526" |
| Recording File Container Size       | S16 HD: 1920 x 1080<br>HD: 1920 x 1080<br>2K: 2048 x 1152<br>3.2K: 3200 x 1800<br>4K UHD: 3840 x 2160<br>ARRIRAW 16:9 2.8K: 2880 x 1620                                                                                                                                    |
| Recording File Image Content        | ProRes S16 HD: 1920 x 1080<br>ProRes HD: 1920 x 1080<br>ProRes 2K: 2048 x 1152<br>ProRes 3.2K: 3200 x 1800<br>ProRes 4K UHD: 3840 x 2160<br>ARRIRAW 16:9 2.8K: 2880 x 1620                                                                                                 |
| Exposure Latitude                   | 14+ stops over the entire sensitivity range from EI 160 to EI 3200 as measured with the ARRI Dynamic Range Test Chart (DRTC-1)                                                                                                                                             |
| Exposure Index                      | Adjustable from EI 160-3200 in 1/3 stops<br>EI 800 base sensitivity                                                                                                                                                                                                        |
| Shutter                             | Electronic shutter, 5.0° - 356° or 1s - 1/8000s                                                                                                                                                                                                                            |
| Recording Formats                   | MXF/ARRIRAW<br>Apple ProRes 4444 XQ<br>Apple ProRes 4444<br>Apple ProRes 422 HQ<br>Apple ProRes 422<br>Apple ProRes 422 LT<br>MPEG-2 HD                                                                                                                                    |
| Recording Media                     | CFast 2.0 Cards                                                                                                                                                                                                                                                            |

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| Recording Frame Rates       | ProRes HD: 0.75 - 200 fps<br>ProRes S16 HD: 0.75 - 200 fps<br>ProRes 2K: 0.75 - 200 fps<br>ProRes 3.2K: 0.75 - 60 fps<br>ProRes UHD: 0.75 - 60 fps<br>MFX/ARRIRAW 16:9 2.8K: 0.75 - 48 fps<br>MPEG-2 HD: 23.976 - 59.94 fps |
| Recording Modes             | Standard real-time recording<br>Pre-recording<br>Intervalometer<br>Stop Motion                                                                                                                                              |
| Viewfinder Type             | Multi Viewfinder MVF-1 with 3,2" flip-out monitor<br>Camera Control Panel (CCP-1) with option to daisy-chain MVF-1                                                                                                          |
| Viewfinder Technology       | OLED viewfinder display<br>LCD fold out monitor                                                                                                                                                                             |
| Viewfinder Resolution Pixel | 1280 x 720                                                                                                                                                                                                                  |
| Viewfinder Diopter          | Adjustable from -5 to +5 diopters                                                                                                                                                                                           |
| Color Output                | Rec 709<br>Rec 2020<br>Log C<br>Custom Look (ARRI Look File ALF-2)                                                                                                                                                          |
| Look Control                | Import of custom 3D LUT<br>ASC CDL parameters (slope, offset, power, saturation)<br>Knee, gamma, saturation, black gamma, saturation by hue<br>Support of ARRI Look Library                                                 |
| White Balance               | Manual and auto white balance, adjustable from 2000K to 11000K in 10K steps<br>Color correction adjustable range from -16 to +16 CC<br>1 CC corresponds to 035 Kodak CC values or 1/8 Rosco values                          |
| Filters                     | Built-in motorized ND filters 0.6, 1.2, 2.1<br>Fixed optical low pass, UV, IR filter                                                                                                                                        |
| Image Outputs               | 1x proprietary signal output for MVF-1 viewfinder<br>2x SDI Out: 1.5G (SMPTE ST292-1), 3G (SMPTE ST425-1, ST425-3), 6G & DL 6G (SMPTE ST2081-10, ST2081-11)<br>uncompressed video with embedded audio and metadata          |
| Lens Squeeze Factors        | 1.00<br>1.30                                                                                                                                                                                                                |
| Exposure and Focus Tools    | False Color<br>Zebra<br>Zoom<br>Waveform<br>Aperture and Color Peaking                                                                                                                                                      |
| Audio Input                 | 2x XLR 3pin Mic/Line Input with 48V Phantom Power, switchable to AES3<br>1x XLR 5pin Mic/Line Input with 48V Phantom Power<br>(Line input max. level +24dBu correlating to 0dBFS)<br>Bluetooth whisper track                |

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| Audio Output           | 3,5mm stereo headphone jack<br>Bluetooth audio<br>SDI (embedded)                                                                                                                                                                                                                      |
| Audio Recording        | 4 channel linear PCM, 24 bit 48 kHz<br>1 channel Bluetooth whisper track                                                                                                                                                                                                              |
| Remote Control Options | Web-based remote control from phones, tablets and laptops via WiFi & Ethernet<br>Camera Access Protocol via Ethernet & WiFi<br>GPIO interface for integration with custom control interfaces                                                                                          |
| Interfaces             | 1x BNC LTC Timecode In/Out<br>1x BNC SDI Ret/Sync In (opt. separate analog Genlock In)<br>1x LEMO 6pin EXT multi purpose accessory interface<br>1x Hirose 12pin (on PL lens mount)<br>1x RJ45 Ethernet for remote control and service<br>2x USB 2.0 (for user setups, look files etc) |
| Wireless Interfaces    | Built-in WiFi module (IEEE 802.11b/g)<br>Built-in Bluetooth module                                                                                                                                                                                                                    |
| Lens Mounts            | PL lens mount with Hirose connector and LDS<br>EF lens mount<br>B4 lens mount with Hirose connector<br>LPL lens mount with LBUS connector<br>Leitz Cine Wetzlar M lens mount                                                                                                          |
| Flange Focal Depth     | PL mount: 52 mm<br>LPL mount: 44 mm                                                                                                                                                                                                                                                   |
| Power Input            | 1x LEMO 8pin (10.5-34 V DC)<br>1x On-board battery interface (10.5-24 V DC)                                                                                                                                                                                                           |
| Power Consumption      | min. 52W<br>max. 84W<br>(Camera body with MVF-1)                                                                                                                                                                                                                                      |
| Power Outputs          | 1x Fischer 3pin 24V RS<br>1x LEMO 2pin 12V<br>1x Hirose 4pin 12V<br>1x LEMO 6pin EXT 24V                                                                                                                                                                                              |
| Power Management       | Active ORing between BAT connector<br>and on-board battery adapters                                                                                                                                                                                                                   |
| Measurements HxWxL     | 149 x 139 x 309 mm / 5.8 x 5.4 x 12.1"<br>(camera body with PL lens mount)                                                                                                                                                                                                            |
| Operating Temperature  | -20° C to +50° C / -4° F to +122° F @ 95% relative humidity max, non<br>condensing, splash and dust proof through sealed electronics                                                                                                                                                  |
| Storage Temperature    | -30° C to +70° C / -22° F to +158° F                                                                                                                                                                                                                                                  |
| Sound Level            | < 20 dB(A) at 24fps                                                                                                                                                                                                                                                                   |
| Software Licenses      | AMIRA Advanced License Key<br>AMIRA Premium License Key<br>AMIRA 4K UHD License Key<br>AMIRA ARRIRAW License Key<br>ARRI Look Library License Key                                                                                                                                     |