

Technical data

Product	AMIRA	AMIRA Advanced	AMIRA Premium
Sensor type	35 mm format ARRI ALEV III CMOS (28.17 x 18.13 mm)		
Sensor pixel count	3200 x 1800 (4K UHD, 3.2K)*, 2880 x 1620 (HD), 2868 x 1612 (2K), for monitoring with surround area: 3168 x 1772 (HD), 3154 x 1764 (2K), 3414 x 2198 (4K UHD, 3.2K)*		
Recording pixel count	1920 x 1080 ProRes HD and HD outputs, 2048 x 1152 ProRes 2K, 3200 x 1800 ProRes 3.2K*, 3840 x 2160 Pro Res 4K UHD and UHD outputs*		
Lens mounts	PL mount w/Hirose connector and LDS, B4 mount w/Hirose connector, EF mount, PL mount titan (ALEXA Mini)		
Shutter	Electronic shutter, 5.0° to 356.0°		
Exposure index	EI 160 to EI 3,200 (EI 800 base sensitivity)		
Exposure latitude	14+ stops over the entire sensitivity range from EI 160 to EI 3,200 as measured with the ARRI Dynamic Range Test Chart (DRTC-1)		
Audio recording	4 channels, 24 bit PCM, 48 kHz		
Integrated motorized ND filters	FSND 0.6, 1.2, 2.1		
Sound level	< 20 dB(A)		
Weight	~ 4.1 kg/9.2 lbs (camera body with PL lens mount)		
Dimensions	Length: 309 mm/12.1", width: 139 mm/5.4", height: 149 mm/5.8" (camera body with PL lens mount)		
Environmental	-20° C to +50° C (-4° F to +122° F)		
Viewfinder	AMIRA Multi Viewfinder MVF-1 (OLED and LCD)		
Outputs video	2x HD-SDI outputs: 1.5G, 3G and 6G; uncompressed HD/UHD video with embedded audio and metadata		
Outputs audio	3.5 mm headphone jack, Bluetooth audio		
Outputs power	Hirose 12 pin (for ENG type zoom lenses); 12V: D-tab, Hirose 4 pin, Lemo 2 pin; 24 V: RS 3 pin		
Inputs	GenLock, HD-SDI, timecode (in and output), all BNC		
Other interfaces	USB 2.0: For importing and storing AMIRA Look Files, user setup files, frame line files and feature license keys. Stores captured still image formats in DPX (.dpx, 10 bit) or JPEG (.jpg, 8 bit) format. Stores log files. Also used for installing Software Update Packages (SUPs); Ethernet LAN RJ-45 for camera remote control.		
Recording media	CFast 2.0 memory cards		
Recording formats	HD 1920 x 1080 (interlaced & progressive) 3.2K ProRes 3200 x 1800* 4K UHD 3840 x 2160*	HD 1920 x 1080 (interlaced & progressive) 3.2K ProRes 3200 x 1800* 4K UHD 3840 x 2160*	HD 1920 x 1080 (interlaced & progressive) 2K 2048 x 1152, 3.2K ProRes 3200 x 1800* 4K UHD 3840 x 2160*
Recording frame rates	0.75 - 100 fps (progressive) HD, 2K 0.75 - 60 fps 4K UHD & 3.2K* MPEG-2: 23.98p, 25p, 29.97p, 50i, 59.94i	0.75 - 200 fps (progressive) HD, 2K 0.75 - 60 fps 4K UHD & 3.2K* MPEG-2: 23.98p, 25p, 29.97p, 50i, 59.94i	0.75 - 200 fps (progressive) HD, 2K 0.75 - 60 fps 4K UHD & 3.2K* 0.75 - 120 fps HD, 2K in ProRes 4444 XQ 0.75 - 30 fps 4K UHD & 3.2K* in ProRes 4444 XQ MPEG-2: 23.98p, 25p, 29.97p, 50i, 59.94i
Recording codecs (w/embedded audio & metadata)	ProRes 422, 422 LT, MPEG-2	ProRes 422 HQ, 422, 422 LT, MPEG-2	ProRes 4444 XQ, ProRes 4444, 422 HQ, 422, 422 LT, MPEG-2
Rec 709/Log C	Rec 709	Rec 709 & Log C	Rec 709 & Log C
Looks	3 fixed looks (adjustable in camera)	Complete look functions; import looks	Complete look functions; import looks
Adjustable image parameters	Knee, gamma, saturation, black gamma, saturation by hue	Knee, gamma, saturation, black gamma, saturation by hue ASC CDL parameter (slope, offset, power, saturation)	Knee, gamma, saturation, black gamma, saturation by hue ASC CDL parameter (slope, offset, power, saturation)
Import of custom 3D LUTs	-	-	Import of custom 3D LUTs
Focus and exposure control	Peaking, zebra, false color	Peaking, zebra, false color	Peaking, zebra, false color
White balance	Auto WB	Auto WB, dynamic auto tracking WB	Auto WB, dynamic auto tracking WB
WiFi and ethernet camera remote control	-	WiFi and ethernet camera remote control	WiFi and ethernet camera remote control
Audio monitoring	Headphone output (mini jack)	Headphone output (mini jack), Bluetooth audio monitoring	Headphone output (mini jack), Bluetooth audio monitoring
Pre-record function	-	Pre-record function	Pre-record function
Intervalometer	Intervalometer	Intervalometer	Intervalometer
Multicam interface	Multicam interface	Multicam interface	Multicam interface
S16 lens mode	S16 lens mode	S16 lens mode	S16 lens mode

* Requires installed 4K UHD License

This AMIRA brochure (80.0012379) is published by Arnold & Richter Cine Technik, August 01, 2016 © ARRI/2016

Technical data and offerings are subject to change without notice. All rights reserved. Without any warranty. Not binding 08/2016. ARRI is a registered trademark of Arnold & Richter Cine Technik GmbH & Co. Betriebs KG.