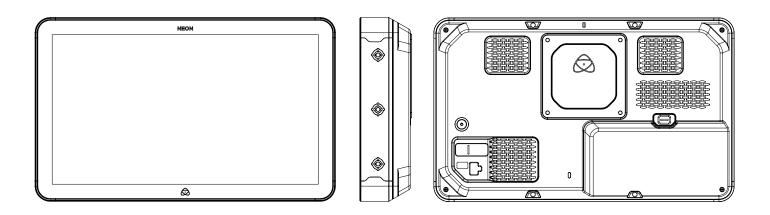


NEON SERIES

10-Bit HDR Cinema monitor-recorders for on-set and in-studio production



Certainty of image for the entire crew

The Atomos Neon is a series of four precision on-set and in-studio 4K HDR monitor-recorder production workhorses where reliable and trustworthy monitoring is essential. Neons can be synced together to provide an ecosystem of field monitors where accuracy of image representation and consistency of image is critical between crew members... all controlled by the Atomos App.

The Neons' best-in-class 512 zoned dynamic backlight displays provide a calibrated 4KDCI 180-degree perfect viewing, 10-bit DCI-P3 100% color coverage, and 1,000,000:1 HDR-ready contrast for cinematographers to maintain exposure and creative look. Directors can make more creative on-set decisions, viewing perfect images in TV and Cinema standards at all times. Camera assistants and focus pullers can trust the ultra-sharpness of an actor's eyes. Editors and color graders can lock down the director's creative intent from shot to shot, frame by frame and review it across varying displays from SDR to HDR - accurately in Neon allows you the flexibility of utilizing your Atomos on low real-time.

With the built-in 4Kp60/HDp240 Apple ProRes RAW recorder capturing each take, Neon enables quick review and real-time playout with Dolby Vision to reality test content on domestic TVs. With Neon, Atomos has reimagined the role of the reference monitor to meet the HDR challenges of modern TV and film production.

Digital filmmaking re-imagined for today's creator

Neon is the beginning of a new journey for filmmakers by bringing together traditional filmmaking roles and pairing it with Atomos innovation and technology. We do this by combining RAW recording with cinema display technology for monitoring, on-screen production checking and review of creative intent, story flow and matching continuity between scenes.

Neon streamlines the creative workflow from lens to viewing. We have adopted industry standard formats like ProRes RAW from major camera makers enabling the performance of

ProRes and the flexibility of RAW into cinema productions and built for computer finishing. Neon performs real-time

Dolby Vision processing to enable down-stream viewing on any Dolby Vision capable TV or monitor.

The upshot is an on-set computer replacement merged with an ecosystem of field monitors that saves the creator time by allowing them to make more decisions in the moment of recording, playback, monitoring and editing.

Four sizes for flexibility in any production

The Neon comes in 17", 24", 31" and 55" screen sizes, and complements other Atomos products such as the Shinobi SDI, Ninja V, Shogun 7 and Sumo 19 to provide a flexible ecosystem of field reference monitors.

budget productions with HDMI 10-bit uncompressed video cameras, right up to 12G-SDI 12-Bit, 4Kp60 RAW from the best cinema cameras in the world.

Atomos App or remote control for simple operation.

Neon deliberately does away with touchscreen operation and is Bluetooth controlled by the Atomos iOS App or a physical remote control. Neon has the simple-to-use AtomOS built into it so that you can use the App to access real-time production tools including focus peaking, exposure, calibration, zoom, waveform monitor, RGB monitor, vector scope and LUT selection.

Neon shortens the gap between capture and final edit with real-time recording and playback of your captured shots at up to 4Kp60 in formats including ProRes, ProRes RAW, Cinema DNG, Avid DNx. When you've got the take you like, tag it on-set with the App for easy identification during editing.

The App unlocks the ability to insert project specific metadata frame-by-frame, allowing project management of a complex production to be simplified and automated so that the creator

NEON SERIES - Technical specifications

Physical Properties		
Weight (monitor only)	Neon17 Neon24	4.5kg / 9.92lb 8.6kg / 18.95lb
	Neon31	(TBC)
	Neon55	(TBC)
Weight (Master Control Unit)	300g	1
Dimensions (W x H x D mm)	Neon17 Neon24	413 x 253 x 71.4mm 594 x 340 x 72.5mm
	Neon31	760 x 430 x 62mm
	Neon55	1274 x 745 x 91mm
Dimensions (Master Control Unit)	151 x 91.5 x 31mm	
Construction	Aluminium alloy chassis with ABS Polycarbonate back plate	
Mounting points	Full ARRI compatible, 3 Left, 3 Right, 7 Top, 7 Bottom; VESA Mount.	
Power		
Operating power	(TBC)	
Power adaptor	(TBC)	
Display		
Size	Neon17	17"
	Neon24 Neon31	24" 31"
	Neon55	55"
Resolution / PPI	Neon17	1920 x 1080 / 142ppi
	Neon24 Neon32	4096 x 2160 / 193ppi 4096 x 2160 / 147ppi
	Neon55	3840 x 2160 / 84ppi
Aspect Ratio	Neon17	16:9
	Neon24 Neon31	17:9 17:9
	Neon55	16:9
Color Gamut		e, D65 or D93 White Point,
	Calibrated	
Look up table (LUT) support	3D LUTs (.cube format)	
Anamorphic de-squeeze	2x, 1.5x, 1.33x, Panasonic 4:3	
Calibration	Calibration to DCI-P3 with optional calibration	
	unit	
Licer interface	iOS App via Bluetooth, IR Remote control of focus peaking, exposure, calibration, zoom,	
	focus peaking, exposu	
	focus peaking, exposu	ire, calibration, zoom,
Dynamic HDR Technology Zone Backlights	focus peaking, exposu waveform monitor, RC Neon17	ure, calibration, zoom, GB monitor, vector scope 128
Dynamic HDR Technology Zone Backlights	focus peaking, exposu waveform monitor, RC Neon17 Neon24	ire, calibration, zoom, CB monitor, vector scope 128 512
Dynamic HDR Technology Zone Backlights	focus peaking, exposu waveform monitor, RC Neon17	ure, calibration, zoom, GB monitor, vector scope 128
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs)	focus peaking, exposu waveform monitor, RC Neon17 Neon24 Neon31	ire, calibration, zoom, CB monitor, vector scope 128 512 512 512 512
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs	focus peaking, exposu waveform monitor, RO Neon17 Neon24 Neon31 Neon55	ire, calibration, zoom, CB monitor, vector scope 128 512 512 512 512
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth	focus peaking, exposu waveform monitor, RC Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated	rre, calibration, zoom, DB monitor, vector scope 128 512 512 512 512 512 512 512
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color	focus peaking, exposu waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit	rre, calibration, zoom, DB monitor, vector scope 128 512 512 512 512 512 512 512
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness	focus peaking, exposu waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage	rre, calibration, zoom, DB monitor, vector scope 128 512 512 512 512 D65 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%)	rre, calibration, zoom, DB monitor, vector scope 128 512 512 512 512 1065 or D95
Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight co	Ire, calibration, zoom, CB monitor, vector scope 128 512 512 512 512 D65 or D95 e e e entrol AW to Rec.709
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, exposu waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight co Native Rec.709, Log/R Log/RAW to HLC or P	Ire, calibration, zoom, DB monitor, vector scope 128 512 512 512 512 512 512 512 512
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, expose waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight co Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / SL	Ire, calibration, zoom, DB monitor, vector scope 128 512 512 512 D65 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, exposu waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / J ARRI Log CEI160/ Log2	Ire, calibration, zoom, DB monitor, vector scope 128 512 512 512 D65 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, expos. waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight co Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / ARRI Log CEII60 / LogC LogCEI420 / LogCEI50	Ire, calibration, zoom, JB monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight co Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / J ARRI Log CEII60 / LogC LogCEI320 /	Ire, calibration, zoom, JB monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / Canon CLog / CLog2 / LogCE120 / LogCE1300 / LogCEI50 / LogCE11000 / LogCEI50 JVC JLog1	Ire, calibration, zoom, JB monitor, vector scope 128 512 512 512 1065 or D95 mtrol AW to Rec.709 Q og3 Clog3 Clog3 Clog3 Clog2 0 / LogCEI640 / LogCEI800 280 / LogCEI1600
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / J ARRI Log CEII60 / Log/ LogCEI320 / LogCEI400 / LogCEIS0 / LogCEI300 / LogCEIS0 / LogCEI000 / LogCEIS0 / LogCEI000 / LogCEIS0	Ire, calibration, zoom, JB monitor, vector scope 128 512 512 512 1065 or D95 mtrol AW to Rec.709 Q og3 Clog3 Clog3 Clog3 Clog2 0 / LogCEI640 / LogCEI800 280 / LogCEI1600
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / G Canon CLog / CLog2 / G ClogCEI1000 / LogCEI50 / LogCEI1000 / LogCEI50 JVC JLog1 RED Log3CI0 / RED Log FujiFilm F-log PQI0k	Ire, calibration, zoom, JB monitor, vector scope 128 512 512 512 1065 or D95 mtrol AW to Rec.709 Q og3 Clog3 Clog3 Clog3 Clog2 0 / LogCEI640 / LogCEI800 280 / LogCEI1600
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight co Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / J CaRC Log/CE130 / LogCE130 / LogCE1320 / LogCE1320 / LogCE1000 / LogCE150 / LogCE1000 / LogCE150 / LogCE1000 / RED Log FujiFilm F-log PQ10k HLG	Ire, calibration, zoom, B monitor, vector scope 128 512 512 512 1065 or D95 e ontrol AW to Rec.709 Q og3 Clog3 CEI200 / LogCEI250 / 0 / LogCEI640 / LogCEI800 280 / LogCEI1600 gFilm
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / G Canon CLog / CLog2 / G ClogCEI1000 / LogCEI50 / LogCEI1000 / LogCEI50 JVC JLog1 RED Log3CI0 / RED Log FujiFilm F-log PQI0k	Ire, calibration, zoom, JB monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight co Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / J CaRC Log/CEI30 / LogCEI30 / LogCEI400 / LogCEI50 / LogCEI320 / LogCEI320 / Lo	Ire, calibration, zoom, JB monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma	focus peaking, expost waveform monitor, RC Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / O ARRI Log CEII60 / LogC LogCEI320 / LogCEI50 / LogCEI160 / LogCEI50 / LogCEI160 / LogCEI50 / LogCEI1000 / LogCEI50 / LogCEI1000 / LogCEI50 JVC JLog1 RED Log3CI0 / RED Lo FujiFilm F-log PQI0k HLG Sony SCamut / SCamu Canon Cinema / DCI P2	Ire, calibration, zoom, 2B monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma	focus peaking, expost waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / J ARI Log CEI160 / Log/E LogCEI320 / LogCEI320 / LogCI320 / LogCEI320 / LogCI320 / Log	Ire, calibration, zoom, 2B monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma	focus peaking, expos. waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / LogCE1400 / LogCE150 / LogCE1400 / LogCE150 / LogCE1400 / LogCE150 JVC JLog1 RED Log3C10 / RED Log FujiFilm F-log PQ10k HLG Sony SGamut / SGamut Canon Cinema / DCI P2 Nikon NLog Panasonic V Gamut Arri Alexa Wide Gamut Rec709 / BT.2020 JVC	Ire, calibration, zoom, 2B monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma	focus peaking, expos. waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / LogCE1400 / LogCE150 / LogCE1400 / LogCE150 / LogCE1400 / LogCE150 JVC JLog1 RED Log3C10 / RED Log FujiFilm F-log PQ10k HLG Sony SGamut / SGamut Canon Cinema / DCI P2 Nikon NLog Panasonic V Gamut Arri Alexa Wide Gamut Rec709 / BT.2020 JVC	Iz8 monitor, vector scope
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma Supported input/Gamut	focus peaking, expost, waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / LogCE1400 / LogCE160 / LogC LogCE1400 / LogCE150 / LogCE160 / LogC HOG / LogCE160 / LogC FujiFilm F-log PQ10k HLG Sony SCamut / SCamut Canon Cinema / DCI P2 Nikon NLog Panasonic V Gamut Arri Alexa Wide Gamut Rec Dolor2 / RED Nikon NLog Panasonic V Gamut Arri Alexa Wide Gamut Rec Dolor2 / RED Sony SLog / SLog2 / SL	Ire, calibration, zoom, IRE monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness	focus peaking, expost waveform monitor, RC Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / CL Canon CLog / CLog2 / Log CEII60 / LogCEII00 / LogCEII00 / LogCEII00 / LogCEII00 / LogCEII00 / LogCEII00 / LogCEII00 / LogCEII00 / LogCEII0 Naton NLog Polok HLG Sony SCamut / SCamut Arri Alexa Wide Gamut Rec TO9 / BT.2020 JVC RED WideGamut / RED or2 / RED Color2 / RED	Ize calibration, zoom, DB monitor, vector scope 128 512 512 512 1065 or D95
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Camma Supported input/Gamut	focus peaking, expost, waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / ARRI Log CEI160 / Log/E LogCEI320 / LogCEI320 / LogCI320	Ire, calibration, zoom, DB monitor, vector scope 128 512 512 512 1065 or D95 mtrol AW to Rec.709 Q og3 Clog3 Clog3 CEI200 / LogCEI250 / 0 / LogCEI640 / LogCEI800 280 / LogCEI1600 gFilm t3 / SCamut3.cine 8 / DCI P3+ D DragonColor / DragonCol- Color3 / RED Color4 Log3 Clog3
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma Supported input/Gamut	focus peaking, expost, waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / G ARR Log CE1160 / LogC LogCE1320 / LogCE150 / LogCE11000 / LogCE150 / LogCE1100 / LogCE150 / LogCE1000 / LogCE150 / LogCE1100 / LogCE150 / LogCE15	Ire, calibration, zoom, DB monitor, vector scope 128 512 512 512 1065 or D95 mtrol AW to Rec.709 Q og3 Clog3 2E1200 / LogCE1250 / 0 / LogCE1640 / LogCE1800 280 / LogCE16600 gFilm t3 / SGamut3.cine 3 / DCI P3+ D DragonColor / DragonCol- Color3 / RED Color4 Log3 Clog3 Clog3 Log3 Log3 Clog3 Log
Dynamic HDR Technology Zone Backlights (direct backlight individual LEDs) LEDs Bit Depth Color Brightness Control SDR Monitoring HDR Monitoring Supported input /Gamma Supported input/Gamut Supported input RAW/Gamma	focus peaking, expos. waveform monitor, RG Neon17 Neon24 Neon31 Neon55 Wide Color Calibrated True 10-bit DCI-P3 100% coverage 1000nit (+/- 10%) Dynamic backlight cc Native Rec.709, Log/R Log/RAW to HLG or P Sony SLog / SLog2 / SL Canon CLog / CLog2 / LogCE1400 / LogCEI50 / LogCE1400 / LogCEI50 / LogCE140 / LogCEI50 / LogCE140 / LogCE150 /	Ire, calibration, zoom, DB monitor, vector scope 128 512 512 512 1065 or D95 mtrol AW to Rec.709 Q og3 Clog3 2E1200 / LogCE1250 / 0 / LogCE1640 / LogCE1800 280 / LogCE16600 gFilm t3 / SGamut3.cine 3 / DCI P3+ D DragonColor / DragonCol- Color3 / RED Color4 Log3 Clog3 Clog3 Log3 Log3 Clog3 Log

Input Connections			
HDMI	1 x HDMI 2.0b		
SDI - SDI Expansion Module required	2 x configruable BNC		
Signal	Up to uncompressed true 10-bit		
Output Connections			
HDMI	1 x HDMI 2.0b		
SDI - SDI Expansion Module required	2 x configruable BNC		
Signal	Up to uncompressed true 10-bit		
Supported Loop Out Formats			
HDMI to HDMI	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 4kUHD/4kDCI 24/25/30/50/60		
SDI to SDI - SDI Expansion Module required	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 4kUHD/4kDCI 24/25/30/50/60		
HDMI to SDI Note: No simultaneous HDMI out possible	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 4kUHD/4kDCl 24/25/30/50/60		
Dolby Vision Tunnelling	Selectable on HDMI		
Supported Codecs & Frame Rates			
Video to ProRes / DNxHR	Apple ProRes RAW, ProRes HQ, 422, LT AVID DNx, HQX, HQ, SQ, LB, Cinema DNG RAW		
Resolution / Frame rate	4K DCI / UHD 24/25/30/50/60p 2K 24/25/30/50/60/100/120p 1080p 24/25/30/50/60/100/120/200/240p 1080i 50/60i, 720p 50/60p		
Onboard Processing			
Pulldown removal	24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)		
4K DCI > UHD	Yes - Loop-out and playback		
4K UHD downscaling	Yes - Loop-out and playback		
HDMI	2 or 8ch 24-bit, camera dependent		
SDI - SDI Expansion Module required	12ch 48kHz 24-bit		
Audio			
Audio in	Line in / Mic in		
Headphone out	3.5mm Headphone out 2ch 48kHz 24-bit		
Built-in speakers			
-	No		
Remote Start/Stop			
-	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica		
Remote Start/Stop	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard -		
Remote Start/Stop HDMI SDI - SDI Expansion Module	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica		
Remote Start/Stop HDMI SDI - SDI Expansion Module required	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record Project Metadata	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s AtomOS on unit and iOS App input Support for AtomX SSDmini and Master Caddy II with 2.5" SSD/HDD Please visit atomos.com/drives for list of		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record Project Metadata Supported media	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s AtomOS on unit and iOS App input Support for AtomX SSDmini and Master Caddy II with 2.5" SSD/HDD Please visit atomos.com/drives for list of approved drives.		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record Project Metadata Supported media Master caddy dock	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s AtomOS on unit and iOS App input Support for AtomX SSDmini and Master Caddy II with 2.5" SSD/HDD Please visit atomos.com/drives for list of approved drives. 2.5" SATA to USB 2.0/3.0/USB-C 3.1		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record Project Metadata Supported media Master caddy dock Supported applications	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s AtomOS on unit and iOS App input Support for AtomX SSDmini and Master Caddy II with 2.5" SSD/HDD Please visit atomos.com/drives for list of approved drives. 2.5" SATA to USB 2.0/3.0/USB-C 3.1 All popular NLE applications, 3D applications		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record Project Metadata Supported media Master caddy dock Supported applications Metadata tagging	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s AtomOS on unit and iOS App input Support for AtomX SSDmini and Master Caddy II with 2.5" SSD/HDD Please visit atomos.com/drives for list of approved drives. 2.5" SATA to USB 2.0/3.0/USB-C 3.1 All popular NLE applications, 3D applications Yes (10 tags available) FCPX XML native, FCPX/Adobe limited		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record Project Metadata Supported media Master caddy dock Supported applications Metadata tagging XML support	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s AtomOS on unit and iOS App input Support for AtomX SSDmini and Master Caddy II with 2.5" SSD/HDD Please visit atomos.com/drives for list of approved drives. 2.5" SATA to USB 2.0/3.0/USB-C 3.1 All popular NLE applications, 3D applications Yes (10 tags available) FCPX XML native, FCPX/Adobe limited		
Remote Start/Stop HDMI SDI - SDI Expansion Module required Genlock / LTC Serial Control Playback Features Pre-roll record Project Metadata Supported media Master caddy dock Supported applications Metadata tagging XML support What's in the Box	Auto HDMI Trigger Supported Protocols - Canon, Sony Atomos Open Standard - Panasonic, Nikon, Olympus, Fuji, Leica SDI trigger camera selectable Yes – Bluetooth / iOS App LANC control – Slave RS232 Jog control, slow motion, scheduled, tag-based scheduling HD 8s, 4K 2s AtomOS on unit and iOS App input Support for AtomX SSDmini and Master Caddy II with 2.5" SSD/HDD Please visit atomos.com/drives for list of approved drives. 2.5" SATA to USB 2.0/3.0/USB-C 3.1 All popular NLE applications, 3D applications Yes (10 tags available) FCPX XML native, FCPX/Adobe limited supported with 3rd party conversion tools Neon Series Unit, Master Control Unit, IR Remote, Master Caddy II x 1, AC power supply, AtomX SDI Expansion		

Please note: Specifications are subject to change without notice. All information correct at time of publishing.