



SHOGUN CONNECT

Network-Connected HDR Video Monitor & Recorder



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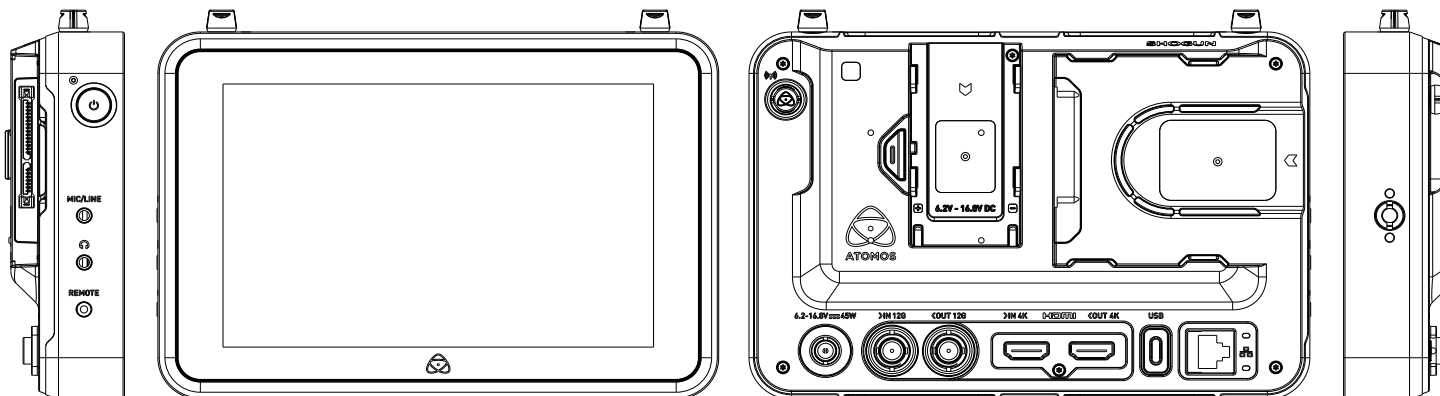
CONNECT to ATOMOS Cloud Studio Services

7" 2000nit HDR display with 8Kp30 /
4Kp120 ProRes RAW recording.

Simultaneous record of Hero ProRes RAW,
ProRes or DNxHR/HD with matched H.265
Proxy

SHOGUN CONNECT: HDR Monitoring, RAW Recording and a Connection to the World

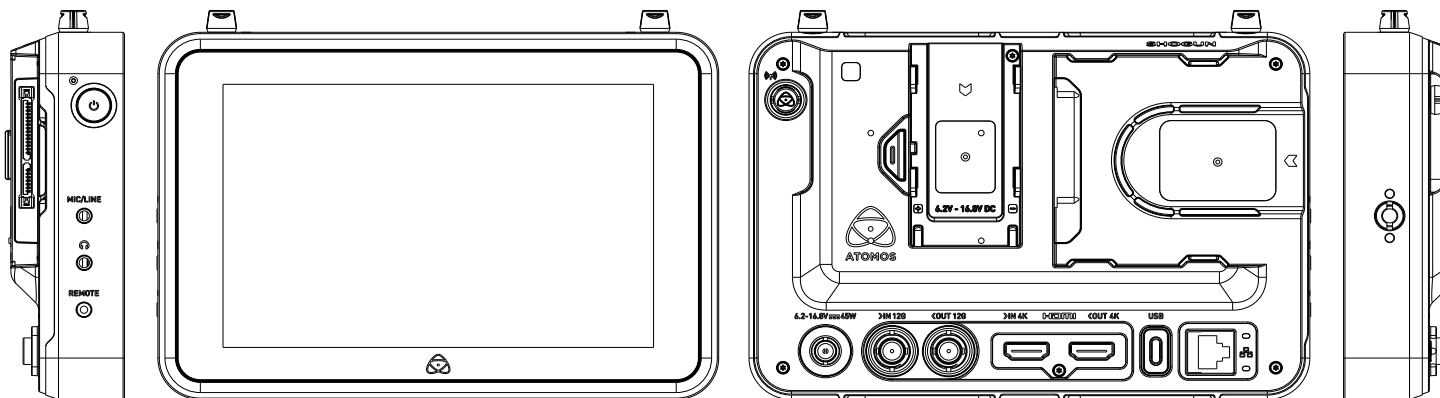
The SHOGUN CONNECT combines HDR monitoring, RAW recording, and cloud workflows. ATOMOS AirGlu™ wireless timecode for seamlessly synchronizing cameras, multiple power options for a variety of on-set scenarios, NDI | HX, plus Wi-Fi 6, Gigabit Ethernet, Bluetooth LE, and USB-C to ensure flexible, all-round connectivity. The SHOGUN CONNECT transforms professional cinema, mirrorless and DSLR cameras into fully integrated devices that support advanced cloud-based workflows.



Physical Specifications	
Weight (Monitor Only)	730g / 1.6lb (excluding batteries)
Dimensions (Monitor Only)	198mm x 133mm x 40mm / 7.8" x 5.2" x 1.57"
Mount Points	Top: 1 x 1/4"20 or 3/8" with anti rotational points, Bottom: 1 x 1/4"20 or 3/8" with anti rotational points, Right: 1 x 1/4"20 or 3/8" with anti rotational points
Physical Specifications	
Mount Points	Up to 40 Degrees Celsius
Construction and Control	
Body	Aluminium alloy chassis with ABS Polycarbonate back plate
Cooling	Actively controlled fan and heat sink
Multi-function Button	Power / lock screen
Tally light	Yes
Power	
Input voltage (battery)	6.2V to 16.8V
Battery Voltage	7.2V
Compatible Batteries	1 x NP-F / L-Series
DC In Connector	Locking DC Jack (5.5mm OD & 2.1mm ID)
D-TAP	Via optional D-Tap to DC cable
Display	
Touchscreen	SuperAtom IPS panel (capacitive touch)
Size	7"

Resolution	1920 x 1200
PPI	325
Bit Depth	10-bit (8+2 FRC)
Backlight	Edge lit
Brightness (cdm2 /Nits)	2000nit +/-10%
Aspect Ratio	16:9 Image Display
Color Gamut	Rec.709
Calibration Support	Atomos Calibrator with Calibrite ColorChecker Display Pro or ColorChecker Display Plus
Color Pipeline	
3D LUT Display	.Cube Format
3D LUT Down Stream	Loop out
3D LUT 50/50	Yes
Monitoring Modes	Native / Rec.709 / HLG / PQ / 3D LUT
HDR Output Conversion	HLG / PQ
Gamma	Sony SLog / SLog2 / SLog3, Canon CLog / CLog2 / Clog3, ARRI Log CEI160 / LogCEI200 / LogCEI250 / LogCEI320 / LogCEI400 / LogCEI500 / LogCEI640 / LogCEI800 / LogCEI1000 / LogCEI1280 / LogCEI1600, Panasonic Vlog, JVC JLog1, RED LogFilm / Log3G10 / Log3G12, FujiFilm Flog, PQ (HDR10), HLG, Nikon N-Log, Z CAM Z-Log2, Olympus OM-Log400 / Flat, Leica L-Log
Gamut	BT2020, DCI P3, PDCI P3 65, Sony SGamut / SGamut3 / SGamut3. cine / Canon Cinema / DCI P3 / DCI P3+ / BT2020, Panasonic V Gamut, ARRI Alexa Wide Gamut Rec709, JVC LS300, Red DragonColor / DragonColor2 / RedColor2 / RedColor3 / RedColor4 / RedWideGamut

Colour Management	
Calibration	ATOMOS Calibrator with Calibrite ColorChecker Display Pro or ColorChecker Display Plus
Display controls	Backlight, Lift, Gamma, Gain
AtomHDR	Built in Technical Log to HDR EOTF
3D luts	Display, monitor and output, Record, Load via SSD
Legalize	Input
Video Input	
HDMI	1 x HDMI 2.0
SDI	1 x 12G SDI
Bit Depth	8 / 10-bit
Video Chroma Subsampling	YCbCr 420 & 422
HDR	Yes with HDMI Auto detection
Metadata	
HDMI	RAW - white balance, Exposure index, Shutter speed/angle, Iris F stop, ISO, Gamma, gamut
SDI	File Name from Arri, RED. RAW - white balance, Exposure index, Shutter speed/angle, Iris F stop, ISO, Gamma, gamut
File Naming	
Standard	S/S/T & Rolling
Via SDI	RED, ARRI



Video Output	
HDMI	1 x HDMI 2.0
SDI (Play Out)	1 x 12G SDI
HDR	Yes with Auto detection
Audio In/Out	
Audio Quality	24-Bit / 48kHz
Audio Codec	PCM
HDMI	8ch 24Bit, input dependent
SDI	12ch 24Bit, input dependent
Analogue Audio In	3.5mm Jack - 5v power
Analogue Audio Out	3.5mm Jack
Headphone Out	3.5mm Jack
Network	
Ethernet	1GbE RJ45
Wi-fi	WI-FI 6
Wireless RF	AirGlu™ SYNC Time code Network
Cellular	Connect to Hot Spot via Wi-Fi
Web Streaming	
RTMP	Yes
RTMP/S	Yes
Video Signal Conversion	
HDMI to SDI	Yes
SDI to HDMI	Yes

Timecode / Sync	
SDI Embedded	Embedded
HDMI Embedded	Embedded
Time of day	Yes
Wireless SYNC	AirGlu™ SYNC Time code Network Server or Client
RF Network range	300m
RF Frequency	Region dependant
Number of Channels	12 RF Channels per Region
Number of RF clients	Region dependant
Bluetooth Network Range	10-15m (line of sight)
Number of BT clients	6 clients
LTC	No BNC input
Resolution & Frame Rates (Record, Monitor & Playback)	
8K RAW	up to 8Kp30 Via HDMI
6K RAW	up to 6Kp60 Via HDMI & 6Kp30 SDI
4K RAW	up to 4Kp120 via HDMI / SDI
3.5K Anamorphic RAW	up to 3.5Kp60 via HDMI
2K RAW	up to 2Kp240 via SDI
4K DCI	up to 4Kp60
4K UHD	up to 4Kp60
2K DCI 2046 x 1080	up to 2Kp60
FHD 1920 x 1080 Progressive	up to 1080p120
FHD 1920 x 1080 PsF	Pull down

FHD 1920 x 1080 Interlaced	1080i50 / 1080i60
1280 x 720p	60p
Recording CODEC	
Apple ProRes RAW, HQ	up to 12bit 8Kp30 / 4Kp120
ProRes HQ / 422 / LT	up to 4Kp60
Avid DNxHD	up to 1080p60
Avid DNxHR	up to 4Kp60
H.265	up to 4Kp60 (MOV container) -optional
Primary Codec + Proxy Record	ProRes RAW, ProRes, DNx with H.265
Pre Roll	8 secs HD / 4 secs 4k ProRes & DNx
Timelapse	Yes
Gang control	SYNC record control
Playback	
Playlist	Yes, Selected, Favourites or Combined
Loop Playback	Yes, with custom in and out points
Apple ProRes Raw	Yes, recorded clips
ProRes HQ / 422 / LT	Yes with linear PCM
Avid DNx HD	Yes with linear PCM
Avid DNx HR	Yes with linear PCM
H.265	Recorded clips
Monitoring	
SDR	Native, 709, LUT
HDR	HLG, PQ Rec2020
De-Interlace	Selectable mode

Supported Media	
Interface	SATA 3
Master Caddy I	No
Master Caddy II	Yes
Master Caddy III	Yes
SSDmini	Yes
CFast II	Yes via AtomX CF adapter
File System	exFAT
On Screen Tools	
Waveform	3 sizes
RGB parade	3 sizes
Vector scope	Small / large
1 x Zoom	Tap to zoom
2 x Zoom	Tap to zoom
Focus peaking	Coloured and slider for threshold
Zebra	Customisable
False color	With IRE scale
Isolate color channel	Blue only
Cine Frame Guides	Preset and Custom
Social Frame guides	Preset and Custom
Safe areas	SMPTE frame size - Action and Safe
Grid markers	9 grid
Frame Grab & Onion Skin Overlay	Lossless PNG 1920 x 1080

Anamorphic desqueeze	Display 1.25x, 1.33x, 1.5x, 1.8x and 2x
Display Flip	Vertical
Onboard Signal Processing	
RAW to Video loop out	Yes, conversion from Larger Resolutions to 4K
4K UHD downscale for HD	Yes, menu enabled
DCI Crop	Yes, menu enabled
I > P	2:2 and 3:2
PSF > P	2:2 and 3:2
Remote Control	
Bluetooth LE	via AtomControl App
External Device Control	
Serial 2.5mm Jack	Remote to USB - Z CAM
Supported Applications	
XML - Cut, Tag & Edit	Final Cut Pro
Apple ProRes Raw	Apple Final Cut Pro, Adobe Premiere, Avid Media Composer, Grass Valley Edius, ASSIMILATE SCRATCH
Apple ProRes	All Applications with support for Apple ProRes in .MOV wrapper
Avid DNx	All Applications with support for Avid DNx in .MOV wrapper

What's in the box	
Accessories included	SHOGUN CONNECT International Power supply, 7" protective Pouch, AtomX SSDmini Handle, MasterCaddy III with screws, Wifi Antenna with Black caps, RF antenna, Antenna storage Pouch, 3.5mm audio jack to jack cable, Antenna coloured caps, Antenna mount covers, Screen Cloth
Warranty	
Standard	1 Year
Extended	3 Years