

BGM7-4K Boland Generator Monitor



- 4K Generator: 1-12G, 4-3G BNC, 1-HDMI, and 1-SFP outputs
- Monitor inputs are 1-12G, 4-3G BNC, and 1-SFP inputs
- Monitor is Quad Link Display (Square Division, 2 Sample interleave)
- Calibrated Monitor supports standard gamma, HDRs, and Camera Logs
- Internal Patterns • Media Player
- System Control via Ethernet (TCP/IP)
- USB Firmware Upgrade • DC 12v and AC 90-264v power
- 16 Ch Audio Level meters
- Waveform (Y, colors parade), Vectorscope, up to 16 Ch Audio Level Meters
- Peaking Filters & False color • SMPTE Time code • CC (608/708)
- Markers • Blue/Mono • H/V delay • Video Data Hex Values
- Quick-Release Half-Rack

SPECIFICATIONS

Active Area (Diagonal):	7" / 178mm
MODES	
UHD, UD, & Std Definition Video Modes	4096x2160 (23.98/24/25/29.97/30/50/59.94/60p), 3840x2160 (23.98/24/25/29.97/30/50/59.94/60p), 2048x1080p (23.98/24), 1920x1080p (50/60/30/25/24 psf/30/25/24p), 1920x1080i (50/59.94/60), 1280x720p (24/25/30/50/59.94/60), 480i (59/60), & 576i (50)
INPUTS	
Digital Video Inputs/Outputs (SDI) (Dual Link not supported)	12G/3G UHD/HD/SD SDI, SMPTE ST2082-10/ SMPTE ST424 & 425/ SMPTE 292M/ SMPTE 296M/ SMPTE 259M/ ITU-R BT656.
SCREEN	
Pixel (RGB Trio) Arrangement	1920x1200 pixel screen (2,304,000 Pixels, 10:16)
Pixel (RGB Trio) Pitch, Depth	0.07875 mm x 0.07875 mm, 16.7M Colors, 10-bit processing
Brightness, typical	450 cd/m ²
Contrast Ratio	1000:1
Color Processor	10 bit color Processor
Viewing Angle, contrast>10:1	R/L 160°, U/D 160° (Min.)
MONITOR CONTROLS	
Menu Selections	Brightness, Contrast, Color, Tint, Backlight, Color Temp, Gamma, HDR Mode, Wfm/Vec/AudioLevels, TC, CC, Setup, etc.
TEST SIGNAL PATTERNS	
Menu Selectable Patterns, Video Modes	SMPTE RP-219 Bars, Split Field Bars, Multiburst, 8 Flat Field Colors, at all the resolutions in Modes, above.
CONTROLS	
User Controls	Buttons: Standby, SDIs, QUAD/2SI, SFP, PATTERN/MEDIA, MENU, DOWN/PLAY, UP/EXIT, SEL/INPUT & Rotary Knob: ADJUST/SEL
Remote Controls	TCP/IP
CONNECTORS	
Video Connectors	BNC x10, [1x12 SDI In, 1xOut]; 4x3G SDI Ins, 4x3GOuts) SFP x1, Input/outputp
HDMI Connector	HDMI x1, Generator Output
REF Connectors	BNC x2, Genlock Reference Input & Looping Output
AES Connector	BNC x1, AES/EBU (75Ω) Input
ETHERNET Connector	RJ-45 x1
USB Connectors	USB x1, Firmware Upgrade/Media Player (front) ; Micro USB x1, Factory Service (rear)
POWER	
DC Power	12 VDC, ±10%,
DC Connectors	XLR-4M (pins 1,2=Gnd, pins 3,4=+12v), HR10A-7R-4P (male; pins 1,2=+12v, pins 3,4=Gnd)
DISPLAY	
Window (Display Area)	5.95 x 3.72" / 151 mm x 95 mm
Cabinet Dimensions	3 RU: 5.23 x 7.28 x 5.09" / 133 x 185 x 130 mm (hwd, exclusive of connectors)
Weight	TBD
Operating (full spec)	0 ~ +50°C, no condensation, 0 ~ 10,000 feet (3,048m)
Storage	-20 ~ +60°C, no condensation, 0 ~ 40,000 feet (12,192m)

