

Professional & innovative solution, it's



's mission

Broadcast Monitors & Wireless

Spring 2013

Cost-Innovative

Ethernet/
3G/3D LUT

Super Bright

OLED

Recordable

Quad

Wireless



BSM-182i

- Better Quality
- Price?



BSM-183N3G

- Ethernet Control
- 3G SDI
- 3D LUT



BSM-152H

- Grips/Holes for Jib
- 1500cd/m²



FM-072SCO

- Super Clear Image



RM-071SC

- On-Screen Record /Playback



BQM-170LS

- Full HD (1920x1200)



BW-100SV

- Distance up to 150m (500ft)

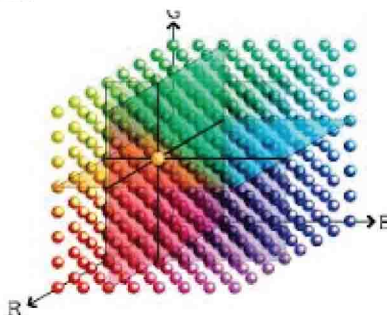
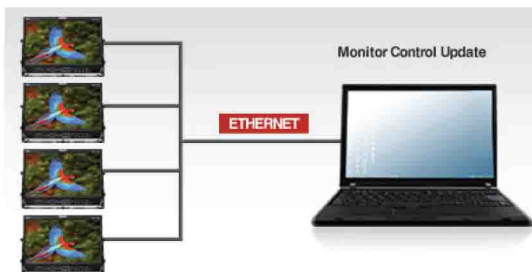
What are the professional and innovative solutions?

Cost-Innovative

Ethernet/3G/3D LUT

Super Bright

- BXM L3G & BSM N3G models accept 3G SDI.
- All monitors are precisely calibrated to reproduce correct color.
- 3D LUT provides precise color reproduction. Especially for BXM-243T3G, multiple color spaces such as BT.709, SMPTE-C, EBU, and NTSC.
- Control multiple monitors through ethernet.



- These special model series provide clearly visible screen in strong sunlight. Especially BSM-152H is designed to be installed on Jibs with its 15-inch size and holes at the bottom & top for a jib plate and a program monitor installation.
- FM-072SCH is 1100 cd/m² and free from hood install.



Price



OLED

- True black
- Greater contrast ratio 10,000 : 1
- Faster Response Time with blur-free motion
- Wider Color Gamut for Accurate Picture Reproduction
- Lower Power Consumption



Recordable

- Preview your footage without touching your camera
- Recording your footage on your monitor as well previewing your shot instantly without changing the settings of your camera.
- These monitors can start recording automatically by SDI cameras' time code starting.



Quad

Quad-split monitors display input videos up to 4 separated screens with sharp Full HD. The number of split screens is selectable by user, and each screen can be a live picture or a waveform, a vectorscope, or a clock.































Wireless

If you shoot in limited environment where wires cannot be installed, you can consider our wireless HD system. With 150m(500ft) long communication range and obstacle resistance, this can be far more convenient than expensive and long wires.



2013 PRODUCT LINE-UP

Cost-Innovative	Ethernet/3G/3D LUT		Super Bright	OLED	Recordable	Quad	Wireless	
								
FM-051SC	BSM-092	BSM-173N3G	BXM-183L3G	FM-051SCH	FM-072SCO	RM-071SC	BQM-170LS	BW-100SV
								
FM-071SC	BSM-182i	BSM-183N3G	BXM-243L3G	FM-072SCH		BXM-183R3G	BQM-240LS	BW-100S
								
FM-072SC	BSM-212i	BSM-213N3G	BXM-243T3G	BSM-152H				BW-100M
								
	BSM-242i	BSM-243N3G	BXM-323L3G					BW-101S
								
STM-460S								

MONITOR MODEL GUIDE FOR CHOICE

KEY FEATURE	MODEL	LCD						INPUT					OUTPUT (LOOP)				INPUT SIGNAL		AUDIO			FEATURE					
		Size	Resolution	Color Depth	Viewing Angle	Luminance	Contrast Ratio	SDI	Analog	1xHDMI	1xDVI-I	External Sync	SDI	Analog	HDMI	External Sync	SDI Input	Analog Input	Line In	H/P Out	Speaker Out	Ethernet	Video Processor	PIP/PaP	3D LUT	Gamma Selection	
COST INNOVATIVE	FM-051SC	5"	800x480	8bit	170/170	300cd/m ²	600:1	1xBNC	-	✓	-	-	1xBNC	-	-	-	*1,*2	-	-	✓	2	-	8bit	-	-	-	
	FM-071SC	7"	1024x600	8bit	170/170	400cd/m ²	800:1	1xBNC	1xBNC	✓	-	-	2xBNC	1xBNC	-	-	*1,*2	*4	-	✓	2	-	8bit	-	-	-	
	FM-072SC	7"	1024x600	8bit	170/170	400cd/m ²	800:1	2xBNC	3xRCA	✓	-	-	1xBNC	-	✓	-	*1,*2	*3,*4,*5	✓	✓	1	-	10bit	-	-	-	
	BSM-092	9"	960x540	8bit	170/170	400cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*2	*3,*4,*5	✓	✓	✓	✓	-	10bit	-	-	-
	BSM-182i	18.5"	1366x768	6+FRC 2bit	170/160	250cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*2	*3,*4,*5	✓	✓	✓	✓	-	10bit	-	-	-
	BSM-212i	21.5"	1920x1080	8bit	170/160	300cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*2	*3,*4,*5	✓	✓	✓	✓	-	10bit	-	-	-
	BSM-242i	24"	1920x1080	6+FRC 2bit	170/160	250cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*2	*3,*4,*5	✓	✓	✓	✓	-	10bit	-	-	-
STM-460S	46"	1920x1080	8bit	178/178	450cd/m ²	3000:1	-	3xBNC	✓	✓	-	-	-	-	-	-	*4,*5	✓	-	✓	-	10bit	-	-	-		
ETHERNET/ 3G/ 3D LUT	BSM-173N3G	17.3"	1920x1080	6+FRC 2bit	160/140	400cd/m ²	600:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	✓	✓	✓	✓	10bit	-	✓	-	
	BSM-183N3G	18.5"	1366x768	8bit	178/178	250cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	✓	✓	✓	✓	10bit	-	✓	-	
	BSM-213N3G	21.5"	1920x1080	6+FRC 2bit	178/178	250cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	✓	✓	✓	✓	10bit	-	✓	-	
	BSM-243N3G	24"	1920x1200	6+FRC 2bit	178/178	300cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	✓	✓	✓	✓	10bit	-	✓	-	
	BXM-183L3G	18.5"	1366x768	8bit	178/178	250cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	✓	✓	✓	✓	12bit	✓	-	-	
	BXM-243L3G	24"	1920x1200	6+FRC 2bit	178/178	300cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	✓	✓	✓	✓	12bit	✓	-	-	
	BXM-243T3G	24"	1920x1200	8+FRC 2bit	178/178	400cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	✓	✓	✓	✓	12bit	✓	✓	✓	
BXM-323L3G	32"	1920x1080	10bit	178/178	500cd/m ²	1300:1	2xBNC	3xBNC	✓	✓	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	✓	-	✓	✓	12bit	✓	-	-		
SUPER BRIGHT	FM-051SCH	5"	800x480	8bit	170/170	800cd/m ²	900:1	1xBNC	-	✓	-	-	1xBNC	-	-	-	*1,*2	-	-	✓	2	-	8bit	-	-	-	
	FM-072SCH	7"	1024x600	6+FRC 2bit	160/160	1100cd/m ²	900:1	2xBNC	3xRCA	✓	-	-	1xBNC	-	✓	-	*1,*2	*3,*4,*5	✓	✓	1	-	10bit	-	-	-	
	BSM-152H	15"	1024x768	8bit	160/160	1500cd/m ²	700:1	2xBNC	3xBNC	✓	✓	-	2xBNC	3xBNC	-	-	*2	*3,*4,*5	✓	✓	2	-	10bit	-	-	-	
OLED	FM-072SCO	7.67"	1280x800	8bit	176/176	250cd/m ²	10,000:1	2xBNC	3xRCA	✓	-	-	1xBNC	-	✓	-	*1,*2	*3,*4,*5	✓	✓	2	-	10bit	-	✓	-	
RECORDABLE	RM-071SC	7"	1024x600	8bit	170/170	400cd/m ²	800:1	1xBNC	1xBNC	✓	-	-	2xBNC	1xBNC	-	-	*1,*2	*4	-	✓	2	-	8bit	-	-	-	
	BXM-183R3G	18.5"	1366x768	8bit	178/178	250cd/m ²	1000:1	2xBNC	3xBNC	✓	✓	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	✓	✓	✓	✓	12bit	✓	-	-	
QUAD	BQM-170LS	17.1"	1920x1200	8bit	130/110	300cd/m ²	600:1	4xBNC	3xBNC	✓	✓	-	4xBNC	-	-	-	*2	*5	✓	-	✓	-	10bit	✓	-	-	
	BQM-240LS	24"	1920x1200	8bit	178/178	400cd/m ²	1000:1	4xBNC	3xBNC	✓	✓	-	4xBNC	-	-	-	*2	*5	✓	-	✓	-	10bit	✓	-	-	

Input Formats

Input Signal Formats	Input Signal	Format	SDI Input Signal
			*1
*2	SMPTE 274M/292M	1920x1080i[60,59.94,50], 1920x1080p[30,29.97,25,24,24sF,23.98,23.98sF]	
	SMPTE 296M	1280x720p[60,59.94,50]	
	SMPTE 260M	1920x1035i[60,59.94]	
	SMPTE 125M/259M	720x480i[60,59.94], 720x576i[50]	
*3	ITU-R BT.656	720x576i[50]	
	2K Format	2048x1080p[24,24sF,23.98,23.98sF]	
	YC[S-Video]	Y:1.0Vp-p, C:0.286Vp-p	
*4	Composite	1.0Vp-plwith sync], NTSC/PAL	
	Component(Y/Pb/Pr)	Y:1.0Vp-p, Pb:0.7Vp-p, Pr:0.7Vp-p	
	Component(R/G/B)	G :1.0Vp-plwith Sync], B :0.7Vp-p, R :0.7Vp-p	
*5	PC-RGB Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p	

FM-051SC Cost Innovative



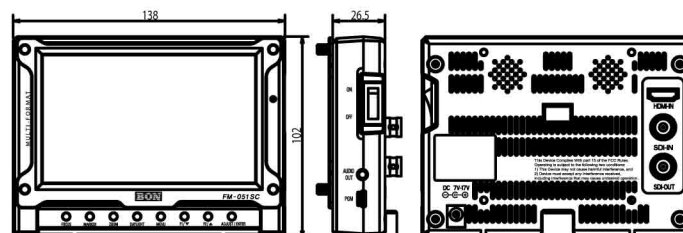
FM-051SC is an on-camera monitor for DSLR and ENG cameras with new features - auto flip, H/V level meter, auto luminance control and auto color adjustment on temperature change. An external display can be connected via its true 1:1 HDMI-to-SDI converter.

Features

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> · True 1:1 HDMI-to-SDI Converter · Auto Vertical Flip · Focus Assistance · Waveform/Vector scope · 8~16ch Audio Level Meter · Daylight Mode Switching Button · Tally Display · Internal Pattern Through-Out to SDI | <ul style="list-style-type: none"> · Auto Luminance Control · Horizontal/Vertical Level Meters · False Color · Compatible to various DSLR Output · Exposure Range Check · H/V Delay · Zero/Under/Over/User Zoom/DSLR Zoom Scan · R/G/B/W Black/Color Bar/RP219 Internal Patterns | <ul style="list-style-type: none"> · Auto Color Temperature Adjustment · Battery Level Indicator · Waveform · Time Code · Various Markers · Pixel-to-Pixel View |
|---|--|---|

Main Body Dimensions

- Main Body
138 x 102 x 26.5 (mm)
5.4 x 4 x 1.0 (inch)
- Weight
450g / 0.99lbs.



LCD	
Size	5.0"
Resolution	800 x 480
Pixel Pitch	0.135 x 0.135 mm
Color	8bit
Viewing Angle	170(H), 170(V)
Luminance of White	300 cd/m ²
Contrast	600 : 1
Back Light	LED
Display Area (H x V)	108.0 x 64.8 mm
Input	
1 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
Output	
1 x BNC	Selectable SDI Loop-through or HDMI Conversion Out
Input Signal Format	
SMPT E 425M	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPT E 274M/292M	1080i (60/59.94/50)
SMPT E 296M	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPT E 296M	720p (60/59.94/50)
SMPT E 260M	1035i (60/59.94)
SMPT E 125M/259M	480i (60/59.94), 576i (50)
2K, SMPT E 428M	2048 x 1080p (24/24sF/23.98/23.98sF)
ITU R-BT.656	576i (50)
HDMI	~ 1080p (60)
Audio In/Out	
1 x Phone Jack Out	H/P Out (Stereo)
2 x Speaker Out	0.5W+0.5W, Stereo
General	
1 x mini-USB	Debugging Port
Power Requirements	DC 7V ~ 17V
Power Consumption	14W
Operating Temperature	-20°C ~ 60°C
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual [CD] • DC Adaptor • Cleaner • Acrylic Protector • Sun Hood • Pouch • DV Battery Mount • D-Tap Power Cable • Hot Shoe Ball Mount • Tally Cable
Option	

* Specifications are subject to change without prior notice.

FM-071SC Cost Innovative



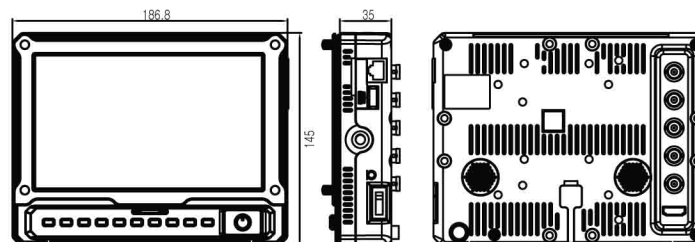
FM-071SC is a 7" on-camera monitor with 3G SDI input and new features - auto flip, H/V level meter, and customized user zoom. An external display can be connected via its true 1:1 HDMI-to-SDI converter.

Features

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> · True 1:1 HDMI-to-SDI Converter · USB Memory Update · False Color · Compatible to various DSLR Output · Exposure Range Check · Pixel-to-Pixel View · Tally LED Control Output · Rack & VESA Mount (Option) | <ul style="list-style-type: none"> · Auto Vertical Flip · Daylight Mode Switching Button · Waveform · Time Code · Various Markers · Zero/Under/Over Scan/User Zoom/DSLR Zoom · R/G/B/W/Black/Color Bar/RP219 Internal Patterns · Internal Pattern Through-Out to SDI | <ul style="list-style-type: none"> · Horizontal/Vertical Level Meters · Focus Assistance · Vector scope · 8-16ch Audio Level Meter · H/V Delay |
|--|--|---|

Main Body Dimensions

- Main Body
186.8 x 145 x 35 (mm)
7.5 x 5.7 x 1.4 (inch)
- Weight
811g / 1.78 lbs.



LCD	
Size	7.0"
Resolution	1024 x 600
Pixel Pitch	0.05 x 0.15 mm
Color	8bit
Viewing Angle	170(H), 170(V)
Luminance of White	400 cd/m ²
Contrast	800 : 1
Back Light	LED
Display Area (H x V)	153.6 x 90.0 mm
Input	
1 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x BNC	Analog[Composite]
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
Output	
1 x BNC	SDI Active Loop Output
1 x BNC	Analog[Composite]
1 x BNC	HDMI-to-SDI Conversion Out
Analog Input Level	
Composite	1.0Vp-p[with sync], NTSC/PAL
Input Signal Format	
SMPTTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTTE 274M/292M	1080i [60/59.94/50] 1080p [30/29.97/25/24/24sF/23.98/23.98sF]
SMPTTE 296M	720p [60/59.94/50]
SMPTTE 260M	1035i [60/59.94]
SMPTTE 125M/259M	480i [60/59.94], 576i [50]
2K, SMPTTE 428M	2048 x 1080p [24/24sF/23.98/23.98sF]
ITU R-BT.656	576i [50]
HDMI	~ 1080p [60]
Audio In/Out	
1 x Phone Jack Out	H/P Out [Stereo]
2 x Speaker Out	0.5W+0.5W, Stereo
General	
1 x GPIO	GPI-7 Port, RJ-45P Jack
1 x USB	For firmware update
1x mini-USB	Debugging Port
Power Requirements	DC [7V~24V] or AC Adaptor [100 ~ 230V, 50Hz/60Hz]
Power Consumption	18W
Operating Temperature	-10°C ~ 40°C [14°F ~ 104°F]
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual [CD] • DC Adaptor • Cleaner • Acrylic Protector • Sun Hood • Pouch • DV Battery Mount • V-Mount • Anton Bauer Mount • D-Tap Power Cable
Option	

* Specifications are subject to change without prior notice.

FM-072SC Cost Innovative



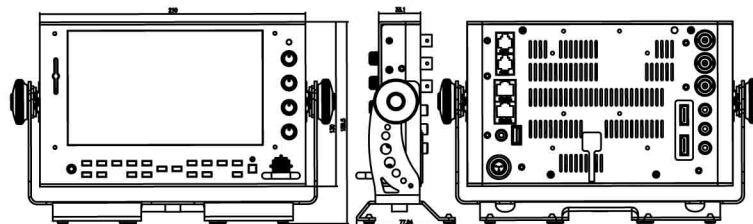
FM-072SC is an on-camera & broadcast monitor with new features - auto luminance control, H/V level meter, and auto color adjustment on temperature change. An external display can be connected via its true 1:1 HDMI-to-SDI converter.

Features

True 1:1 HDMI-to-SDI Converter	Auto Color Temperature Adjustment	Auto Luminance Control
<ul style="list-style-type: none"> ·Auto Vertical Flip ·USB Memory Update ·Waveform ·Closed Caption (CEA-608/708) ·Exposure Range Check ·Various Markers ·Fast Motion Mode ·Tally LED Control Output ·Rack & VESA Mount (Option) 	<ul style="list-style-type: none"> ·Horizontal/Vertical Level Meters ·Focus Assistance ·Vector scope ·Time Code ·UMD/IMD Mode ·H/V Delay ·Zero/Under/Over Scan/User Zoom/DSLR Zoom ·R/G/B/W/Black/Color Bar/RP219 Internal Patterns ·Internal Pattern Through-Out to SDI 	<ul style="list-style-type: none"> ·Battery Level Indicator ·False Color ·Compatible to various DSLR Output ·8-16ch Audio Level Meter ·AFD & V-CHIP(SDI Only) ·Pixel-to-Pixel View

Main Body Dimensions

- Main Body
210 x 130 x 33.1(mm)
8.3 x 5.1 x 1.3 (inch)
- Weight
1.3kg / 2.86lbs.



LCD	
Size	7.0"
Resolution	1024 x 600
Pixel Pitch	0.15 x 0.15 mm
Color	8bit
Viewing Angle	170(H), 170(V)
Luminance of White	400 cd/m ²
Contrast	800 : 1
Back Light	LED
Display Area (H x V)	153.6 x 90.0 mm
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
3 x RCA	Analog(YPbPr/CVBS/S-Video/RGB)
Output	
1 x BNC	Selectable SDI-1/2 Loop-through or HDMI conversion Out
1 x HDMI	HDMI, 19-pin Female
Analog Input Level	
Composite	1.0Vp-p[with sync], NTSC/PAL
YCIS-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p[with Sync], B : 0.7Vp-p, R : 0.7Vp-p
Input Signal Format	
SMPT 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPT 274M/292M	1080i [60/59.94/50] 1080p[30/29.97/25/24/24sF/23.98/23.98sF]
SMPT 296M	720p[60/59.94/50]
SMPT 260M	1035i[60/59.94]
SMPT 125M/259M	480i[60/59.94], 576i[50]
2K, SMPT 428M	2048 x 1080p[24/24sF/23.98/23.98sF]
ITU R-BT.656	576i[50]
HDMI	~ 1080p[60]
Audio In/Out	
1 x Phone Jack In	Line In(Stereo)
1 x Phone Jack Out	H/P Out(Stereo)
1 x Speaker Out	0.5W, Mono
General	
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC (7V~24V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	16W
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual[CD] • DC Adaptor • Cleaner • Acrylic Protector • Sun Hood • Pouch • DV Battery Mount • V-Mount • Anton Bauer Mount • D-Tap Power Cable • Rack Mount Kit • DV Dual Battery Mount
Option	

* Specifications are subject to change without prior notice.

BSM-092

Cost Innovative



BSM-092 is a 9" rack-mountable monitor with optimized 960x540 resolution LCD panel. It can be downscaled to the exact half resolution of 1920x1080 to display a motion picture sharply.

Features

10bit Signal Processor

- Focus Assistance
- Time Code
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan
- Rack & VESA Mount [Option]
- Update/Control via RS-422 or Ethernet

USB Memory Update

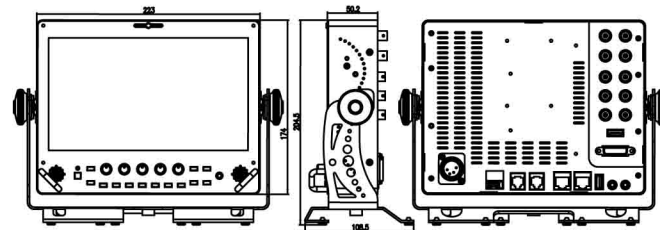
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay
- Fast Motion Mode
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

Waveform/Vector Scope

- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Pixel-to-Pixel View
- Freeze Frame

Main Body Dimensions

- Main Body
223 x 174 x 50.2 (mm)
8.8 x 6.8 x 2.0 (inch)
- Weight
2.1kg / 4.62lbs.



LCD	
Size	9"
Resolution	960 x 540
Pixel Pitch	0.207 mm
Color	16.7M(8bit) Colors
Viewing Angle	170(H), 170(V)
Luminance of White	400 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	198.72 x 111.78 mm (7.82 x 4.40 inches)
Input	
2 x BNC	HD/SD-SDI, 1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-p[with sync], NTSC/PAL
YCIS-Video	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p[with Sync], B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	0.5W+0.5W, Stereo
General	
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V/24V, AC Adapter(100-230V, 50/60Hz)
Power Consumption	20W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual[CD] • Cleaner • DC Adaptor
Option	<ul style="list-style-type: none"> • Acrylic Protector • Sun Hood • V-Mount • Anton Bauer Mount • Rack Mount Kit

* Specifications are subject to change without prior notice.

BSM-182i

Cost Innovative



BSM-182i is an 18.5" LED broadcast monitor. It displays the exact colors of HDTV standards as BT.709 and SMPTE-C color space without over-saturated color.

Features

·10bit Signal Processor

- Focus Assistance
- Time Code Display
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan
- Rack & VESA Mount (Option)
- Update/Control via RS-422

·USB Memory Update

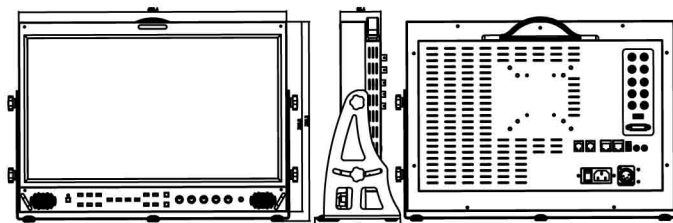
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay
- Fast Motion Mode
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

·Waveform/Vector Scope

- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Pixel-to-Pixel View
- Freeze Frame

Main Body Dimensions

- Main Body
438.4 x 310.8 x 66.4 (mm)
17.2 x 12.2 x 2.6 (inch)
- Weight
5kg / 11.02 lbs.



LCD	
Size	18.5"
Resolution	1366 x 768
Pixel Pitch	0.3 x 0.3mm
Color	16.7M (6bit+Hi-FRC)
Viewing Angle	170(H), 160(V)
Luminance of White	250 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	409.8 x 230.4 mm (16.1 x 9.0 inches)
Input	
2 x BNC	HD/SD-SDI, 1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-plwith sync, NTSC/PAL
Y/CIS-Video	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-plwith Sync, B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	40W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual[CD] • Cleaner
Option	<ul style="list-style-type: none"> • Acrylic Protector • Sun Hood • V-Mount • Anton Bauer Mount • Rack Mount Kit

* Specifications are subject to change without prior notice.

BSM-212i

Cost Innovative



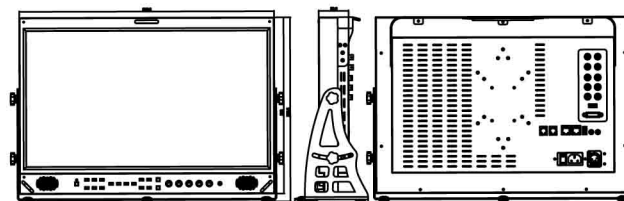
BSM-212i is a 21.5" professional broadcast monitor which has 10-bit video processor. Its full HD 1920x1080 resolution provides exact, sharp 1:1 mapped pixels which is good for monitoring image quality.

Features

- | | | |
|--|---------------------------|-------------------------------|
| ·10bit Signal Processor | ·1920x1080 Full HD Panel | ·Waveform/Vector Scope |
| ·Focus Assistance | ·False Color | ·Closed Caption (CEA-608/708) |
| ·Time Code | ·8~16ch Audio Level Meter | ·Exposure Range Check |
| ·UMD/IMD Mode | ·AFD & V-CHIP(SDI Only) | ·Various Markers |
| ·R,G,B and Gray only Display | ·H/V Delay | ·Pixel-to-Pixel View |
| ·Zero/Under/Over Scan/Zoom Scan | ·Fast Motion Mode | ·Freeze Frame |
| ·Rack & VESA Mount (Option) | ·USB Memory Update | ·Update/Control via RS-422 |
| ·R/G/B/W/Black/Color Bar/RP219 Internal Patterns | | |

Main Body Dimensions

- Main Body
503.6 x 348 x 59.2(mm)
19.8 x 13.7 x 2.3 (inch)
- Weight
8.5kg / 18.7 lbs.



LCD	
Size	21.5"
Resolution	1920 x 1080
Pixel Pitch	0.24825 mm
Color	8bit
Viewing Angle(deg)	170(H), 160(V)
Luminance of White	300 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	476.64 x 268.11 (mm)
Input	
2 x BNC	HD/SD-SDI, 1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-p(with sync), NTSC/PAL
YCIS-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p(with Sync), B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
2 x GPIO	GPIO-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	TBD
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Rack Mount Kit • V-Mount • Handle

* Specifications are subject to change without prior notice.

BSM-242i

Cost Innovative



BSM-242i is a 24" LED broadcast monitor. It displays the exact colors of HDTV standards as BT.709 and SMPTE-C color space without over-saturated color.

Features

·10bit Signal Processor

- Focus Assistance
- AFD & V-CHIP(SDI Only)
- Exposure Range Check
- Various Markers
- Fast Motion Mode
- Rack & VESA Mount (Option)
- Update/Control via RS-422

·USB Memory Update

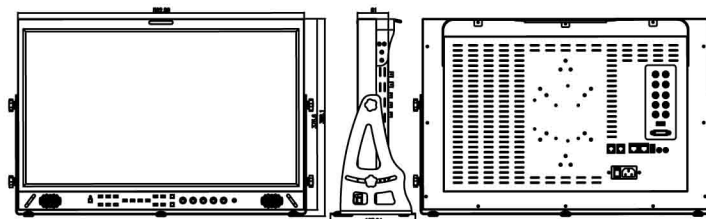
- Closed Caption (CEA-608/708)
- Time Code
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

·Waveform/Vector Scope

- False Color
- 8-16ch Audio Level Meter
- Pixel-to-Pixel View
- H/V Delay
- Freeze Frame

Main Body Dimensions

- Main Body
563 x 375.6 x 61(mm)
22.2 x 14.8 x 2.4 (inch)
- Weight
11kg / 24.25 lbs.



LCD	
Size	24"
Resolution	1920 x 1080
Pixel Pitch	0.27675 mm
Color	16.7M (6bit+Hi-FRC)
Viewing Angle(deg)	170(H), 160(V)
Luminance of White	250 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	531.36 x 298.89 mm
Input	
2 x BNC	HD/SD-SDI, 1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-plwith sync, NTSC/PAL
Y(CS-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-plwith SyncI, B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	AC(100-230V, 50/60Hz)
Power Consumption	52W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Rack Mount Kit • V-Mount • Anton Bauer Mount • Handle

* Specifications are subject to change without prior notice.

STM-460S Cost Innovative



STM-460 is a large-sized cost-effective broadcast monitor with DVI, HDMI and component input. The color-calibrated screen with BT.709 broadcast standard offers accurate color reproduction. It is designed for broadcast monitor wall mounts and multi-viewer applications. STM-Series is designed to meet the relevant broadcast

Features

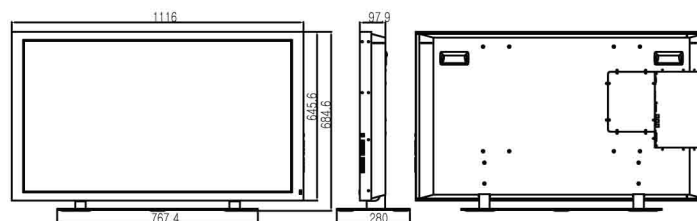
- | | | |
|---|---|------------------------------|
| ·Color Calibration | ·Monitor Controlled by Serial Port | ·Zero/Under/Over Scan |
| ·Built-In Speaker
·IR Remote Control | ·Input Mode & Status Display
·Rack & VESA Mount (Option) | ·Remote GPI Control |

LCD	
Size	46"
Resolution	1920 x 1080
Pixel Pitch	0.53025 mm
Color	8 bit
Viewing Angle	178(H), 178(V)
Luminance of White	450 cd/m ²
Contrast	3000 : 1
Back Light	CCFL
Display Area (H x V)	1018.08 x 572.67mm
Input	
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x VGA	DVI-I to VGA Jack
Analog Input Level	
Composite	1.0Vp-p[with sync], NTSC/PAL
YCIS-Video	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p[with Sync], B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
1 x Phone Jack Out	Line Out(Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack, Debugging Port
1 x Serial	RS-232C, DSUB-9P Jack, Debugging Port
Power Requirements	AC(100-230V, 50/60Hz)
Power Consumption	250W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Stand • Wall Mount

* Specifications are subject to change without prior notice.

Main Body Dimensions

- Main Body
1116 x 645.6 x 97.9(mm)
43.9 x 25.4 x 3.8 (inch)
- Weight
40kg / 88.18lbs.



BSM-173N3G

Ethernet/ 3G/ 3D LUT



BSM-173N3G is a 17" broadcast monitor with Full HD resolution which can accept 3G SDI signal. It contains 3D LUT to reproduce precise colors.

Features

·Full HD (1920 x 1080)

- Focus Assistance
- Time Code Display
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan
- USB Memory Update
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

·Ethernet Control

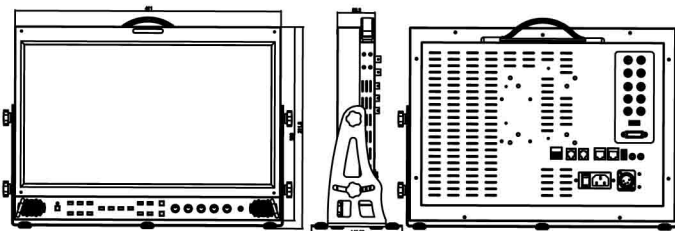
- Waveform/Vector Scope
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay
- Fast Motion Mode
- Rack & VESA Mount (Option)

·3G-SDI

- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Pixel-to-Pixel View
- Freeze Frame
- False Color

Main Body Dimensions

- Main Body
411 x 299 x 58.2 (mm)
16.2 x 11.8 x 2.3 (inch)
- Weight
5kg / 11.02 lbs.



LCD	
Size	17.3"
Resolution	1920 x 1080
Pixel Pitch	0.1989 x 0.1989 mm
Color	16.7M(6bit+HiFRC) Colors
Viewing Angle	160(H), 140(V)
Luminance of White	450 cd/m ²
Contrast	600 : 1
Back Light	LED
Display Area (H x V)	381.8 x 214.8 mm (15.0 x 8.5 inches)
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x VGA	DVI-I to VGA Jack (with gender)
Output	
2 x BNC	SDI- 1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-p(with sync), NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p(with Sync), B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTÉ 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTÉ 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
2K, SMPTÉ 428M	2048*1080,24p/psf,23.98p/psf
SMPTÉ 274M/292M	1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTÉ 296M	1280*720p/60,59.94,50
SMPTÉ 260M	1920*1035i/60,59.94
SMPTÉ 125M/259M	720*480i/60,59.94, 720*576i/50
ITU R-BT.656	576i(50)
Composite	720*480i(NTSC)/576i(PAL)
Component	1920 * 1080i/p
DVI, VGA Signal	1920 * 1080i/p
HDMI Digital	~1080p(60)/ ~1200i(60)-embedded Audio 2ch)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12W/24V, AC(100-230V, 50/60Hz)
Power Consumption	40W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Acrylic Protector • Sun Hood • V-Mount • Anton Bauer Mount • Rack Mount Kit • Carrying Case

* Specifications are subject to change without prior notice.

BSM-183N3G

Ethernet/ 3G/ 3D LUT



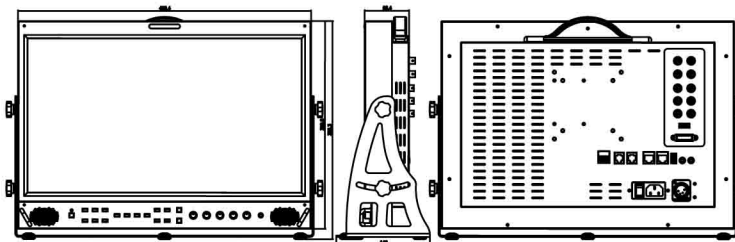
BSM-183N3G is an 18.5" broadcast monitor which can accept 3G SDI signal. It contains 3D LUT to reproduce precise colors.

Features

·3G-SDI	·Update/Control Ethernet	·Waveform/Vector Scope
·Focus Assistance	·False Color	·Closed Caption (CEA-608/708)
·Time Code Display	·8~16ch Audio Level Meter	·Exposure Range Check
·UMD/IMD Mode	·AFD & V-CHIP(SDI Only)	·Various Markers
·R,G,B and Gray only Display	·H/V Delay	·Pixel-to-Pixel View
·Zero/Under/Over Scan	·Fast Motion Mode	·Freeze Frame
·Precise Color Reproduction by 3D LUT	·Rack & VESA Mount (Option)	·USB Memory Update
·R/G/B/W/Black/Color Bar/RP219 Internal Patterns		

Main Body Dimensions

- Main Body
438.4 x 310.8 x 66.4 (mm)
17.2 x 12.2 x 2.6 (inch)
- Weight
5kg / 11.02 lbs.



LCD	
Size	18.5"
Resolution	1366 x 768
Pixel Pitch	0.1 x 0.3mm
Color	16.7M(8-bit) Colors
Viewing Angle	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	409.8 x 230.4 mm (16.1 x 9.0 inches)
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x VGA	DVI-I to VGA Jack (with gender)
Output	
2 x BNC	SDI- 1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-p(with sync), NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p(with Sync), B :0.7Vp-p, R :0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPT 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPT 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
2K, SMPT 428M	2048*1080,24p/psf,23.98p/psf
SMPT 274M/292M	1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPT 296M	1280*720p/60,59.94,50
SMPT 260M	1920*1035i/60,59.94
SMPT 125M/259M	720*480i/60,59.94, 720*576i/50
ITU R-BT.656	576i(50)
Composite	720*480i(NTSC)/576i(PAL)
Component	1920 * 1080i/p
DVI, VGA Signal	1920 * 1080i/p
HDMI Digital	~1080p(60)/ ~1200i(60)-embedded Audio 2ch)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	40W
Operating Temperature	0°C - 40°C (32°F-104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Acrylic Protector • Sun Hood • V-Mount • Anton Bauer Mount • Rack Mount Kit • Carrying Case

* Specifications are subject to change without prior notice.

BSM-213N3G

Ethernet/ 3G/ 3D LUT



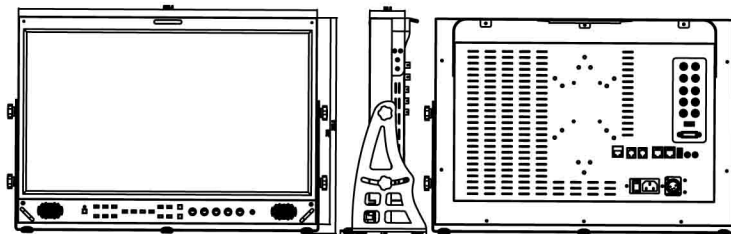
BSM-213N3G is a 21.5" broadcast monitor which can accept 3G SDI signal. It contains 3D LUT to reproduce precise colors.

Features

·Precise Color Reproduction by 3D LUT	·Update/Control via RS-422 or Ethernet	·3G-SDI
·Focus Assistance	·Time Code	·Waveform/Vector Scope
·Closed Caption (CEA-608/708)	·UMD/IMD Mode	·8-16ch Audio Level Meter
·Exposure Range Check	·R,G,B and Gray only Display	·AFD & V-CHIP(SDI Only)
·Various Markers	·Zero/Under/Over Scan	·H/V Delay
·Pixel-to-Pixel View	·False Color	·Fast Motion Mode
·Freeze Frame	·Rack & VESA Mount (Option)	·USB Memory Update
·R/G/B/W/Black/Color Bar/RP219 Internal Patterns		

Main Body Dimensions

- Main Body
553.4 x 422.5 x 62.5(mm)
21.8 x 16.6 x 2.5 (inch)
- Weight
11kg / 24.25 lbs.



LCD	
Size	21.5"
Resolution	1920 x 1080
Pixel Pitch	0.24795mm
Color	6bit + FRC
Viewing Angle(deg)	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	476.064 x 267.768 mm
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x VGA	DVI-I to VGA Jack (with gender)
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-plwith sync), NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p
Component (R/G/B)	G : 1.0Vp-plwith Sync), B :0.7Vp-p, R :0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTE 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
2K, SMPTE 428M	2048*1080,24p/psf,23.98p/psf
SMPTE 274M/292M	1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 294M	1280*720p/60,59.94,50
SMPTE 296M	1920*1035i/60,59.94
SMPTE 125M/259M	720*480i/60,59.94, 720*576i/50
ITU R-BT.656	576i(50)
Composite	720*480i(NTSC)/576i(PAL)
Component	1920 * 1080i/p
DVI, VGA Signal	1920 * 1080i/p
HDMI Digital	~1080p(60)/ ~1200i(60)-embedded Audio 2ch)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	55W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Rack Mount Kit • Sun Hood • Acrylic Protector • V-Mount • Handle

* Specifications are subject to change without prior notice.

BSM-243N3G Ethernet/3G/3D LUT



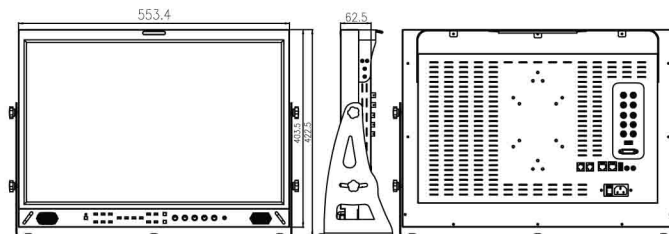
BSM-243N3G is a 24" broadcast monitor which can accept 3G SDI signal. It contains 3D LUT to reproduce precise colors.

Features

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> ·Precise Color Reproduction by 3D LUT ·Waveform/Vector Scope ·Closed Caption (CEA-608/708) ·Exposure Range Check ·Various Markers ·Pixel-to-Pixel View ·Freeze Frame ·R/G/B/W/Black/Color Bar/RP219 Internal Patterns | <ul style="list-style-type: none"> ·Update/Control via RS-422 or Ethernet ·Focus Assistance ·Time Code ·UMD/IMD Mode ·R,G,B and Gray only Display ·Zero/Under/Over Scan ·USB Memory Update | <ul style="list-style-type: none"> ·3G-SDI ·False Color ·8-16ch Audio Level Meter ·AFD & V-CHIP(SDI Only) ·H/V Delay ·Fast Motion Mode ·Rack & VESA Mount (Option) |
|--|---|---|

Main Body Dimensions

- Main Body
553.4 x 422.5 x 62.5(mm)
21.8 x 16.6 x 2.5 (inch)
- Weight
11kg / 24.25 lbs.



LCD	
Size	24"
Resolution	1920 x 1200
Pixel Pitch	0.270 mm
Color	6bit + FRC
Viewing Angle(deg)	178(H), 178(V)
Luminance of White	300 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	518.4 x 324.0 mm
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(Y/PbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x VGA	DVI-I to VGA Jack (with gender)
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(Y/PbPr/CVBS/S-Video/RGB)
Analog Input Level	
Composite	1.0Vp-plwith sync), NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p
Component (R/G/B)	G : 1.0Vp-plwith Sync), B :0.7Vp-p, R :0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTE 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
2K, SMPTE 428M	2048*1080,24p/psf,23.98p/psf
SMPTE 274M/292M	1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 294M	1280*720p/60,59.94,50
SMPTE 296M	1920*1035i/60,59.94
SMPTE 125M/259M	720*480i/60,59.94, 720*576i/50
ITU R-BT.656	576i(50)
Composite	720*480i(NTSC)/576i(PAL)
Component	~ 1920 * 1080i/p
DVI, VGA Signal	~ 1920 * 1080i/p
HDMI Digital	~1080p(60)/ ~1200i(60)-embedded Audio 2ch)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, R.J-45P Jack
2 x GPIO	GPI-7 Port, R.J-45P Jack
2 x Serial	RS-422, R.J-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	56W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Rack Mount Kit • Handle

* Specifications are subject to change without prior notice.

BXM-183L3G Ethernet/ 3G/ 3D LUT



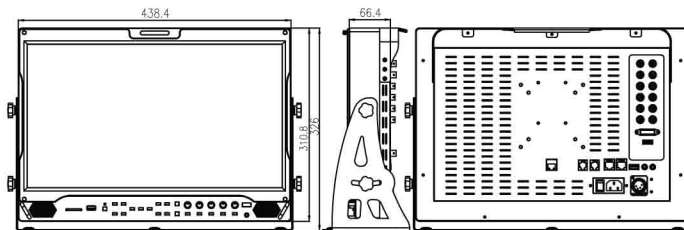
BXM-183L3G is a high-end broadcast monitor which has 12bit video processor for superlative picture quality.

Features

12bit Signal Processor	Update/Control via RS-422 or Ethernet	Gen-lock(video synchronization)
<ul style="list-style-type: none"> ·USB Memory Update ·Closed Caption (CEA-608/708) ·8-16ch Audio Level Meter ·AFD & V-CHIP(SDI Only) ·Pixel-to-Pixel View ·Freeze Frame ·R/G/B/W/Black/Color Bar/RP219 Internal Patterns 	<ul style="list-style-type: none"> ·Focus Assistance ·Waveform/Vector Scope ·Exposure Range Check ·Various Markers ·Zero/Under/Over Scan ·Blending, PaP, PiP 	<ul style="list-style-type: none"> ·False Color ·Time Code ·UMD/IMD Mode ·H/V Delay ·Fast Motion Mode ·Rack & VESA Mount (Option)

Main Body Dimensions

- Main Body
438.4 x 310.8 x 66.4 (mm)
17.3 x 12.2 x 2.6 (inch)
- Weight
6.5kg / 14.33lbs.



LCD	
Size	18.5"
Resolution	1366 x 768
Pixel Pitch	0.1 x 0.3 mm
Color	16.7M(8bit) Colors
Viewing Angle	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	409.8 x 230.4 mm (16.1 x 9.0 inches)
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x BNC	For External Synchronization
Analog Input Level	
Composite	1.0Vp-p(with sync), NTSC/PAL
YCIS-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p(with Sync), B :0.7Vp-p, R :0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPT 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPT 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
SMPT 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPT 294M	720p(60/59.94/50)
SMPT 260M	1035i(60/59.94)
SMPT 125M/259M	480i(60/59.94), 576i(50)
2K, SMPT 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	35W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual(CD) • Cleaner
Option	<ul style="list-style-type: none"> • Sun Hood • V-Mount • Anton Bauer Mount • Rack Mount Kit • Acrylic Protector

* Specifications are subject to change without prior notice.

BXM-243L3G Ethernet/ 3G/ 3D LUT



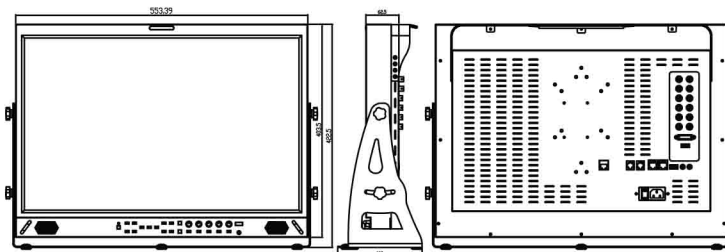
BXM-243L3G is a high-end broadcast monitor for experts, which has 12bit video processor. It provides crystal clear image for broadcast monitoring with many features.

Features

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> · 12bit Signal Processor · False Color · Closed Caption (CEA-608/708) · 8-16ch Audio Level Meter · AFD & V-CHIP(SDI Only) · Pixel-to-Pixel View · Freeze Frame · R/G/B/W/Black/Color Bar/RP219 Internal Patterns | <ul style="list-style-type: none"> · Update/Control via RS-422 or Ethernet · USB Memory Update · Focus Assistance · Exposure Range Check · Various Markers · Zero/Under/Over Scan · Blending, PaP, PiP | <ul style="list-style-type: none"> · Gen-lock (video synchronization) · Waveform/Vector Scope · Time Code · UMD/IMD Mode · H/V Delay · Fast Motion Mode · Rack & VESA Mount (Option) |
|---|---|---|

Main Body Dimensions

- Main Body
553.4 x 422.5 x 62.5 (mm)
21.8 x 16.6 x 2.5 (inch)
- Weight
10kg / 22.04 lbs.



LCD	
Size	24"
Resolution	1920 x 1200
Pixel Pitch	0.270mm
Color	6bit + FRC
Viewing Angle	178(H), 178(V)
Luminance of White	300 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	518.4 x 324.4mm
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI, lwith HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x BNC	For External Synchronization
Analog Input Level	
Composite	1.0Vp-p(with sync), NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p(with Sync), B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTE 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	AC(100-230V, 50/60Hz)
Power Consumption	52W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Rack Mount Kit • Anton Bauer Mount • V-Mount • Handle

* Specifications are subject to change without prior notice.

BXM-243T3G Ethernet/ 3G/ 3D LUT



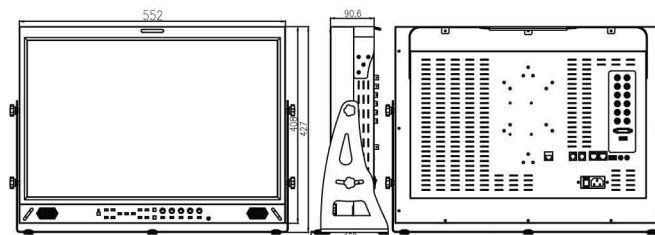
BXM-243T3G is a high-end broadcast monitor with 3D LUT. This monitor includes various color spaces so that the user can choose an appropriate one among them.

Features

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> · 12bit Signal Processor · Update/Control via RS-422 or Ethernet · USB Memory Update · Gen-lock(video synchronization) · Exposure Range Check · Various Markers · Zero/Under/Over Scan · Blending, PaP, PiP · Rack & VESA Mount (Option) | <ul style="list-style-type: none"> · 3D-LUT · Focus Assistance · Waveform/Vector Scope · Time Code · UMD/IMD Mode · H/V Delay · Fast Motion Mode · Supports Multi Color space (BT.T09,NTSC,SMPTE-C,EBU-3320) · R/G/B/W/Black/Color Bar/RP219 Internal Patterns | <ul style="list-style-type: none"> · Gamma Selection(1.0~3.0) · False Color · Closed Caption (CEA-608/708) · 8~16ch Audio Level Meter · AFD & V-CHIP(SDI Only) · Pixel-to-Pixel View · Freeze Frame |
|--|---|--|

Main Body Dimensions

- Main Body
552 x 427 x 90.6 (mm)
21.7 x 16.8 x 3.5 (inch)
- Weight
9.9kg / 21.82lbs.



LCD	
Size	24"
Resolution	1920 x 1200
Pixel Pitch	0.270mm
Color	8bit + FRC
Viewing Angle	178(H), 178(V)
Luminance of White	400 cd/m ²
Contrast	1000 : 1
Back Light	CCFL
Display Area (H x V)	518.4 x 324.0 (mm)
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/RGB)
1 x BNC	For External Synchronization
Analog Input Level	
Composite	1.0Vp-p(with sync), NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p(with Sync), B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTE 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	AC[100-230V, 50/60Hz]
Power Consumption	108W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual[CD] • Cleaner
Options	• Rack Mount Kit • Handle • V-Mount • Anton Bauer Mount

* Specifications are subject to change without prior notice.

BXM-323L3G Ethernet/ 3G/ 3D LUT



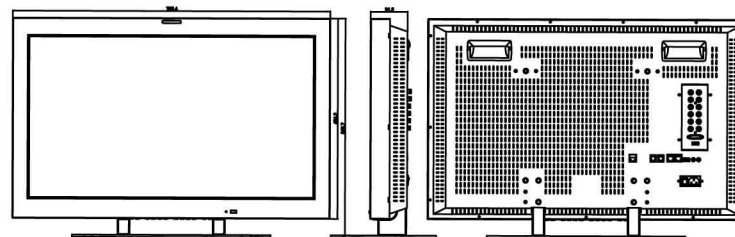
BXM-323L3G is a high-end broadcast monitor for experts, which has 12bit video processor. Its 32" screen provides large, comfortable monitoring area for the user, with advanced video monitoring features.

Features

- | | | |
|--|--|----------------------------------|
| ·12bit Signal Processor | ·Update/Control via RS-422 or Ethernet | ·Gen-lock(video synchronization) |
| ·False Color | ·USB Memory Update | ·Focus Assistance |
| ·Closed Caption (CEA-608/708) | ·Waveform/Vector Scope | ·Time Code |
| ·8-16ch Audio Level Meter | ·Exposure Range Check | ·UMD/IMD Mode |
| ·AFD & V-CHIP(SDI Only) | ·Various Markers | ·H/V Delay |
| ·Pixel-to-Pixel View | ·Zero/Under/Over Scan | ·Fast Motion Mode |
| ·Freeze Frame | ·Blending, PaP, PiP | ·Rack & VESA Mount (Option) |
| ·R/G/B/W/Black/Color Bar/RP219 Internal Patterns | | |

Main Body Dimensions

- Main Body
783.4 x 494.2 x 91.2 (mm)
30.8 x 19.5 x 3.6 (inch)
- Weight
30kg / 66.13lbs.



LCD	
Size	32"
Resolution	1920 x 1080
Pixel Pitch	0.36375 mm
Color	10 bit
Viewing Angle(deg)	178(H), 178(V)
Luminance of White	500 cd/m ²
Contrast	1300 : 1
Back Light	CCFL
Display Area (H x V)	698.4 x 392.8 (mm)
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x BNC	For External Synchronization
Analog Input Level	
Composite	1.0Vp-p [with sync], NTSC/PAL
Y(CS-Video)	Y : 1.0Vp-p, C: 0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p [with Sync], B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPT 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPT 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
SMPT 274M/292M	1080i (60/59.94/50) 1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPT 296M	720p (60/59.94/50)
SMPT 260M	1035i (60/59.94)
SMPT 125M/259M	480i (60/59.94), 576i (50)
2K, SMPT 428M	2048 x 1080p (24/24sF/23.98/23.98sF)
ITU R-BT.656	576i (50)
HDMI	~ 1080p (60)
DVI	~ 1080p (60)
Audio In / Out	
1 x Phone Jack In	Line In (Stereo)
2 x Phone Jack Out	Line Out (Stereo)
2 x Speaker Out	2W+2W, Stereo
General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x SERIAL	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	AC [100-230V, 50/60Hz]
Power Consumption	150W
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual [CD] • DVI-to-VGA • Cleaner
Option	• Stand

* Specifications are subject to change without prior notice.

FM-051SCH Super Bright



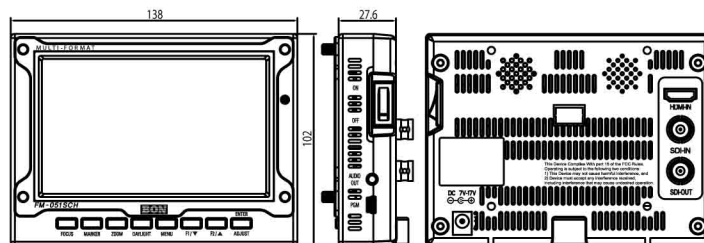
FM-051SCH is an 800 cd/m² high bright on-camera monitor with various new features - auto flip, H/V level meter, auto luminance control, and auto color adjustment on temperature change. An external display can be connected via its true 1:1 HDMI-to-SDI converter.

Features

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> · True 1:1 HDMI-to-SDI Converter · Auto Vertical Flip · Focus Assistance · Vector scope · 8~16ch Audio Level Meter · Daylight Mode Switching Button · Tally Display · Internal Pattern Through-Out to SDI | <ul style="list-style-type: none"> · Auto Luminance Control · Horizontal/Vertical Level Meters · False Color · Compatible to various DSLR Output · Exposure Range Check · H/V Delay · Zero/Under/Over/User Zoom/DLSR Zoom Scan · R/G/B/W/Black/Color Bar/RP219 Internal Patterns | <ul style="list-style-type: none"> · Auto Color Temperature Adjustment · Battery Level Indicator · Waveform · Time Code · Various Markers · Pixel-to-Pixel View |
|--|--|---|

Main Body Dimensions

- Main Body
138 x 102 x 27.6 (mm)
5.4 x 4 x 1.1 (inch)
- Weight
500g / 1.10lbs.



LCD	
Size	5.0"
Resolution	800 x 480
Pixel Pitch	0.135 x 0.135 mm
Color	8bit
Viewing Angle	170(H), 170(V)
Luminance of White	800 cd/m ²
Contrast	900 : 1
Back Light	LED
Display Area (H x V)	108.0 x 64.8 mm
Input	
1 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
Output	
1 x BNC	Selectable SDI Loop-through or HDMI Conversion Out
Input Signal Format	
SMPT 425M	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPT 274M/292M	1080i (60/59.94/50)
SMPT 296M	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPT 296M	720p (60/59.94/50)
SMPT 260M	1035i (60/59.94)
SMPT 125M/259M	480i (60/59.94), 576i (50)
2K, SMPT 428M	2048 x 1080p (24/24sF/23.98/23.98sF)
ITU R-BT.656	576i (50)
HDMI	~ 1080p (60)
Audio In/Out	
1 x Phone Jack Out	H/P Out (Stereo)
2 x Speaker Out	0.5W+0.5W, Stereo
General	
1 x mini-USB	Debugging Port
Power Requirements	DC 7V ~ 17V
Power Consumption	14.5W
Operating Temperature	-20°C ~ 60°C
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual [CD] • DC Adaptor • Cleaner • Acrylic Protector • Sun Hood • Pouch • DV Battery Mount • D-Tap Power Cable • Hot Shoe Ball Mount • Tally Cable
Option	

* Specifications are subject to change without prior notice.

FM-072SCH Super Bright



FM-072SCH is an 1100 cd/m² super bright on-camera monitor with new features - auto luminance control, H/V level meter, and auto color adjustment on temperature change. An external display can be connected via its true 1:1 HDMI-to-SDI converter.

Features

· True 1:1 HDMI-to-SDI Converter

- Auto Vertical Flip
- USB Memory Update
- Waveform
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Zero/Under/Over Scan
- Internal Pattern Through-Out to SDI
- Rack & VESA Mount (Option)

· Auto Color Temperature Adjustment

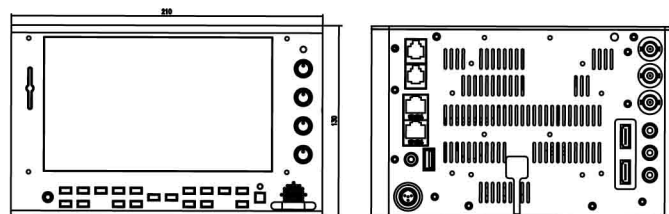
- Horizontal/Vertical Level Meters
- Focus Assistance
- Vector scope
- Time Code
- UMD/IMD Mode
- H/V Delay
- Fast Motion Mode
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

· Auto Luminance Control

- Battery Level Indicator
- False Color
- Compatible to various DSLR Output
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- Pixel-to-Pixel View
- Tally LED Control Output

Main Body Dimensions

- Main Body
210 x 130 x 33.1(mm)
8.3 x 5.1 x 1.3 (inch)
- Weight
1.3kg / 2.8 lbs.



LCD	
Size	7.0"
Resolution	1024 x 600
Pixel Pitch	0.15 x 0.15 mm
Color	6bit + FRC
Viewing Angle	160(H), 160(V)
Luminance of White	1100 cd/m ²
Contrast	900 : 1
Back Light	LED
Display Area (H x V)	153.6 x 90.0 mm
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x HDMI	HDMI, [with HDCP v.1.1], 19-pin Female
3 x RCA	Analog(YPbPr/CVBS/S-Video/RGB)
Output	
1 x BNC	Selectable SDI-1/2 Loop-through or HDMI conversion Out
1 x HDMI	HDMI, 19-pin Female
Analog Input Level	
Composite	1.0Vp-p[with sync], NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C: 0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p[with Sync], B : 0.7Vp-p, R : 0.7Vp-p
Input Signal Format	
SMPT 425M AB	Level A MS1, MS2, MS3, MS4
	Level B MS1, MS2, MS3, MS4
SMPT 274M/292M	1080i(60/59.94/50)
	1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPT 296M	720p(60/59.94/50)
SMPT 260M	1035i(60/59.94)
SMPT 125M/259M	480i(60/59.94), 576i(50)
2K, SMPT 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
Audio In / Out	
1 x Phone Jack In	Line In[Stereo]
1 x Phone Jack Out	H/P Out[Stereo]
1 x Speaker Out	0.5W, Mono
General	
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC (7V~24V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	19.7W
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual(CD) • DC Adaptor • Cleaner
Option	<ul style="list-style-type: none"> • Acrylic Protector • Sun Hood • Pouch • DV Battery Mount • V-Mount • Anton Bauer Mount • DV Dual Battery Mount • D-Tap Power Cable • Rack Mount Kit • Stand

* Specifications are subject to change without prior notice.

BSM-152H Super Bright



BSM-152H is a 15" super bright monitor with 1500 cd/m² backlight for field use. It can be easily installed/uninstalled on a rack or a jib plate.

*A program monitor can be attached onto it by using one of three holes at the top.

Features

·10bit Signal Processor

- Focus Assistance
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Pixel-to-Pixel View
- Update/Control via RS-422 or Ethernet
- R/G/B/W Black, Color Bar, RP219 Internal Patterns

·USB Memory Update

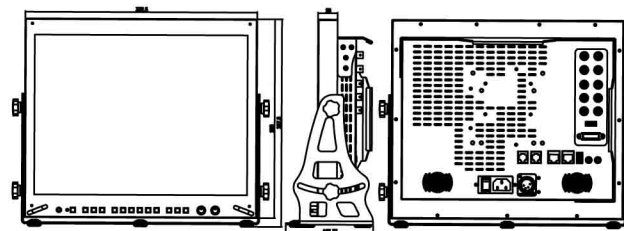
- Time Code
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan
- Fast Motion Mode·Freeze Frame
- 3 Mount Halls on Top

·Waveform/Vecor Scope

- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay
- 2 Hand Grips on Top and Left side

Main Body Dimensions

- Main Body
553.4 x 422.5 x 62.5(mm)
21.8 x 16.6 x 2.5 (inch)
- Weight
11kg / 24.25 lbs.



LCD	
Size	15"
Resolution	1024 x 768
Pixel Pitch	0.297 mm
Color	8 bit
Viewing Angle(deg)	160(H), 160(V)
Luminance of White	1500 cd/m ²
Contrast	700 : 1
Back Light	LED
Display Area (H x V)	304.13 x 228.10 mm

Input	
2 x BNC	HD/SD-SDI, 1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female

Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)

Analog Input Level	
Composite	1.0Vp-p[with sync], NTSC/PAL
YCIS-Video	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p[with Sync], B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p

Input Signal Format	
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)

Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo

General	
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100~230V, 50/60Hz)
Power Consumption	31W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • DVI-to-VGA • Cleaner
Option	• Tripod Ball Head • Anton Bauer Mount • V-Mount • Sun Hood • Acrylic Protector • Carrying Case

* Specifications are subject to change without prior notice.

FM-072SCO ^{OLED}



FM-072SCO is an AM-OLED monitor which provides super clear image, deep black and very high contrast image. It can be used for post-production process with the help of its exceptional image quality.

Features

· True 1:1 HDMI-to-SDI Converter

- Deep Color Reproduction
- USB Memory Update
- Waveform
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Zero/Under/Over Scan
- Rack & VESA Mount (Option)
- Internal Pattern Through-Out to SDI

· 3D LUT

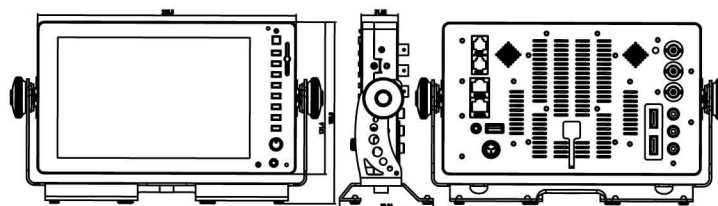
- Horizontal/Vertical Level Meters
- Focus Assistance
- Vector scope
- Time Code (Except 3G Level B)
- UMD/IMD Mode
- Quick Response
- Fast Motion Mode
- Deep Black and High Contrast
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

· Auto Horizontal/Vertical Flip

- Battery Level Indicator
- False Color
- Compatible to various DSLR Output
- 8~16ch Audio Level Meter
- AFD & V-CHIP (SDI Only)
- Pixel-to-Pixel View
- Tally LED Control Output

Main Body Dimensions

- Main Body (with stand)
223 x 156.9 x 31.8 (mm)
8.8 x 6.2 x 1.3 (inch)
- Weight
1.3kg / 2.86 lbs.



AM-OLED	
Size	7.67"
Resolution	1280 x 800
Pixel Pitch	0.129 x 0.129 mm
Color	8bit
Viewing Angle	Min 176(H), Min 176(V)
Luminance of White	250 cd/m ²
Contrast	10,000:1
Color Gamut	110%
Display Area (H x V)	165.12 x 103.2 mm
Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
3 x RCA	Analog(Y/PbPr/CVBS/S-Video/RGB)
Output	
1 x BNC	Selectable SDI-1/2 Loop-through or HDMI conversion Out
1 x HDMI	HDMI, 19-pin Female
Analog Input Level	
Composite	1.0Vp-plwith sync, NTSC/PAL
YCIS-Video	Y : 1.0Vp-p, C: 0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-plwith Sync, B : 0.7Vp-p, R : 0.7Vp-p
Input Signal Format	
SMPT 425M AB	Level A MS1, MS2, MS3, MS4
	Level B MS1, MS2, MS3, MS4
SMPT 274M/292M	1080i (60/59.94/50)
	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPT 296M	720p (60/59.94/50)
SMPT 260M	1035i (60/59.94)
SMPT 125M/259M	480i (60/59.94), 576i (50)
2K, SMPT 428M	2048 x 1080p (24/24sF/23.98/23.98sF)
ITU R-BT.656	576i (50)
HDMI	~ 1080p (60)
Audio In/Out	
1 x Phone Jack In	Line In (Stereo)
1 x Phone Jack Out	H/P Out (Stereo)
2 x Speaker Out	0.5W+0.5W, Stereo
General	
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC (7V~24V) or AC Adaptor (100 ~ 230V, 50Hz/60Hz)
Power Consumption	16W
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual (CD) • DC Adaptor • Cleaner
Option	<ul style="list-style-type: none"> • Acrylic Protector • Rack Mount Kit • Sun Hood • DV Battery Mount • V-Mount • Anton Bauer Mount • DV Dual Battery Mount • D-Tap Power Cable • Pouch

* Specifications are subject to change without prior notice.

RM-071SC Recordable



RM-071SC is a recordable preview monitor which records motion pictures in HD video format. It can start recording automatically by SDI cameras' time code starting.

Features

· True 1:1 HDMI-to-SDI Converter

- Horizontal/Vertical Level Meters
- Daylight Mode Switching Button
- Waveform
- Time Code
- Various Markers
- Tally LED Control Output
- Rack & VESA Mount (Option)
- Internal Pattern Through-Out to SDI

· Auto Recording(GPIO, TimeCode)

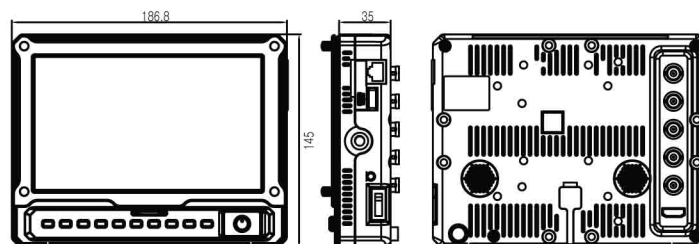
- Thumbnail File List
- Focus Assistance
- Vector scope
- 8-16ch Audio Level Meter
- H/V Delay
- Zero/Under/Over/User Zoom/DSLR Zoom Scan
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

· Auto Vertical Flip

- USB Memory Update
- False Color
- Compatible to various DSLR Output
- Exposure Range Check
- Pixel-to-Pixel View

Main Body Dimensions

- Main Body
186.8 x 145 x 35 (mm)
7.4 x 5.7 x 1.4 (inch)
- Weight
898g / 1.97lbs.



LCD	
Size	7.0"
Resolution	1024 x 600
Pixel Pitch	0.05 x 0.15 mm
Color	8bit
Viewing Angle	170[H], 170[V]
Luminance of White	400 cd/m ²
Contrast	800 : 1
Back Light	LED
Display Area (H x V)	153.6 x 90.0 mm
Input	
1 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x BNC	Analog[Composite]
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
Output	
1 x BNC	SDI Active Loop Output
1 x BNC	Analog[Composite]
1 x BNC	HDMI-to-SDI Conversion Out
Analog Input Level	
Composite	1.0Vp-plwith sync, NTSC/PAL
Input Signal Format	
SMPTTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTTE 274M/292M	1080i [60/59.94/50] 1080p[30/29.97/25/24/24sF/23.98/23.98sF]
SMPTTE 296M	720p[60/59.94/50]
SMPTTE 260M	1035i[60/59.94]
SMPTTE 125M/259M	480i[60/59.94], 576i[50]
2K, SMPTTE 428M	2048 x 1080p[24/24sF/23.98/23.98sF]
ITU R-BT.656	576i[50]
HDMI	~ 1080p[60]
Recording & Play	
Recordable Input	SDI, HDMI, CVBS
Codec	H.264 [Video], AAC[Audio]
Video Bit Rate	4Mbps
Internal Memory	4GB
External Memory	Max 32GB [Class 4 or higher SDHC Card]
Max Record Size	2GB per file [About One Hour]
Recording Format	1280x720 / 60p, 50p
File Format	mov
Play Mode	Play, Reverse Play, 2x/4x/8x FF/REW, 1/2x/1/4x/1/8x Slow, 1x/2x/4x/8x Frame_FF/REW
Audio In/Out	
1 x Phone Jack Out	H/P Out[Stereo]
2 x Speaker Out	0.5W+0.5W, Stereo
General	
1x GPIO	GPI-7 Port, RJ-45P Jack
1x USB	For firmware update
1x mini-USB	Debugging Port
Power Requirements	DC [7V~24V] or AC Adaptor[100 ~ 230V, 50Hz/60Hz]
Power Consumption	28W
Operating Temperature	-10°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual[CD] • DC Adaptor • Cleaner
Option	<ul style="list-style-type: none"> • Acrylic Protector • Sun Hood • Pouch • DV Battery Mount • V-Mount • Anton Bauer Mount • D-Tap Power Cable

* Specifications are subject to change without prior notice.

BXM-183R3G Recordable



BXM-183R3G is a high-end broadcast monitor with 12bit video processor and multiple advanced features including 3G SDI input and HD recording. It can start recording automatically by SDI cameras' time code starting.

Features

Reference Image Overlay

- 12bit Signal Processor
- False Color
- Closed Caption (CEA-608/708)
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- Pixel-to-Pixel View
- Freeze Frame
- Thumbnail File List
- Internal Pattern Through-Out to SDI

True 1:1 HDMI-to-SDI Converter

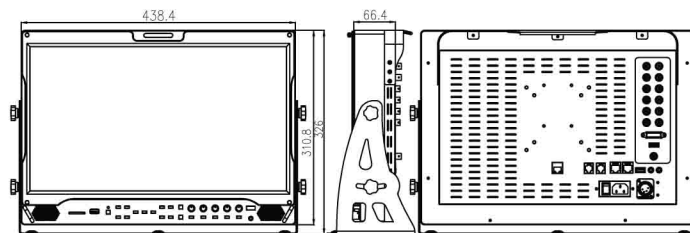
- Update/Control via RS-422 or Ethernet
- Waveform
- Gen-lock(video synchronization)
- Exposure Range Check
- Various Markers
- Zero/Under/Over Scan
- Blending, PaP, PiP
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns

Auto Recording(GPIO,TimeCode)

- Focus Assistance
- Vector scope Display
- Time Code
- UMD/IMD Mode
- H/V Delay
- Fast Motion Mode
- Rack & VESA Mount (Option)

Main Body Dimensions

- Main Body
438.4 x 310.8 x 66.4(mm)
17.3 x 12.2 x 2.6 (inch)
- Weight
6.5kg / 14.33 lbs.



LCD	
Size	18.5"
Resolution	1366 x 768
Pixel Pitch	0.1 x 0.3 mm
Color	8 bit
Viewing Angle	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	409.8 x 230.4 mm (16.1 x 9.0 inches)

Input	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI, lwith HDCP v.1.1, 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p

Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x BNC	HDMI-to-SDI Conversion Out
1 x BNC	For External Synchronization

Analog Input Level	
Composite	1.0Vp-plwith sync, NTSC/PAL
YC(S-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p
Component (R/G/B)	G : 1.0Vp-plwith Sync, B : 0.7Vp-p, R : 0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p

Input Signal Format	
SMPT 425M AB	Level A MS1, MS2, MS3, MS4
	Level B MS1, MS2, MS3, MS4
SMPT 372M	Dual HD-SDI YCbCr (4:2:2), 1080p
	Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
SMPT 274M/292M	1080i (60/59.94/50)
	1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPT 296M	720p(60/59.94/50)
SMPT 260M	1035i(60/59.94)
SMPT 125M/259M	480i(60/59.94), 576i(50)
2K, SMPT 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)

Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo

Recording & play	
Recordable Input	SDI, HDMI, CVBS
Codec	H.264 (Video), AAC(Audio)
Video Bit Rate	4Mbps
Internal Memory	4GB
External Memory	Max 32GB (Class 4 or higher SDHC Card)
Max Record Size	2GB per file (About One Hour)
Recording Format	1280x720 / 60p, 50p
File Format	Mov
Play Mode	Play, Reverse Play, 2x/4x/8x FF/REW, 1/2x/1/4x/1/8x Slow, 1x/2x/4x/8x Frame_FF/REW

General	
1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	40W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	<ul style="list-style-type: none"> • Power Cable • Manual[CD] • Cleaner • Sun Hood • V-Mount • Anton Bauer Mount • Rack Mount Kit • Acrylic Protector
Option	

* Specifications are subject to change without prior notice.

BQM-170LS Quad



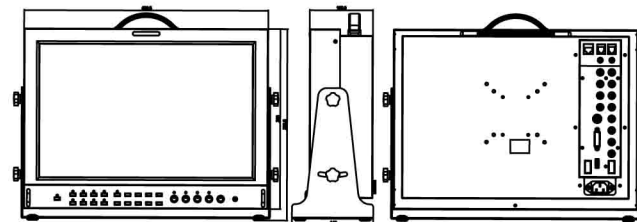
BQM-170LS splits and displays the input videos up to 4 screens, by the user-selectable number of screens and the contents to display. Thanks to its high resolution over full HD, it displays each split screen very sharply. This 17" monitor also fits into 19" broadcast rack.

Features

- | | | |
|--------------------------------|--|-----------------------------------|
| ·Various Split Screens | ·Various Input Signals | ·Advanced Video Analysis Features |
| ·HD SDI Signal Reception | ·16Ch Audio Level(H/V) | ·Various Markers |
| ·2 Assignable Function Keys | ·Pixel-to-Pixel View | ·Waveform/Vectorscope |
| ·Closed Caption (CEA 608, 708) | ·Color Calibration Software(Optional, Training Required) | |
| ·Current Time Clock Display | | |

Main Body Dimensions

- Main Body
420.5 x 310 x 108.9 (mm)
16.5 x 12.2 x 4.3 (Inch)
- Weight
8.5kg / 3.85lbs.



LCD	
Size	17.1"
Resolution	1920 x 1200
Pixel Pitch	0.191 x 0.191mm
Color	16.7M(8bit)
Viewing Angle	130(H), 110(V)
Luminance of White	300 cd/m ²
Contrast	600 : 1
Back Light	LED
Display Area (H x V)	367.2 x 229.5 (mm)

Input	
SDI Input	4EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack
Analog Input	3EA, Composite, Component(Y/PbPr/RGB), BNC Jack
DVI Input	1EA, DVI-I, 24pin, Female with PC-RGB Input
PC-RGB(DVI) Input	1EA,DVI + Analog Jack (with gender) [24Pin + 5Pin]
HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female
S-Video Input	1EA, S-VHS Din Jack

Output	
SDI Loop Output	4EA, BNC, Active Through Output

Analog Input Level	
Composite	1.0Vp-p(with sync), NTSC/PAL
YC(S-Video)	Y :1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y :1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p
Component (R/G/B)	G :1.0Vp-p(with Sync), B :0.7Vp-p, R :0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p

Input Signal Format	
SMPT 274M/292M	1920*1080i/60,59.94,50 1920*1080p/30,29.97,25,24,23.98,23.98sfs
SMPT 296M	1280*720p/60,59.94,50
SMPT 260M	1920*1035i/60,59.94
SMPT 259M/125M	720*480i/60,59.94
2K, SMPT 428M	2048 x 1080p[24/24sF/23.98/23.98sF]
ITU R-BT.656	720*576i/50
Component	~1920 X 1080p
HDMI Digital	~ 1920 X 1200(embedded 2ch Audio,with HDCP)
DVI Digital	~1920 X 1200
PC-RGB(DVI) Mode	~1920 X 1080

Audio In / Out	
1 x Line In	L/R, Stereo pin jack
1 x Line Out	L/R, Stereo pin jack
2 x Speaker Out	2W+2W, Stereo

General	
1 x GPIO	Remote, RJ-45P Jack, GPI-7 Port
2 x Serial	RJ-11P Jack, RS-422/232C, Serial interface
1 x LTC Input	SMPT STD Timecode signal, BNC Jack(Optional)
Power Requirements	AC[100-230V, 50/60Hz]
Power Consumption	62W
Operating Temperature	0°C ~ 35°C(41°F~95°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Options	• Rack Mount Kit • Vertical/Wall Mount • Carrying Case

* Specifications are subject to change without prior notice.

BQM-240LS Quad



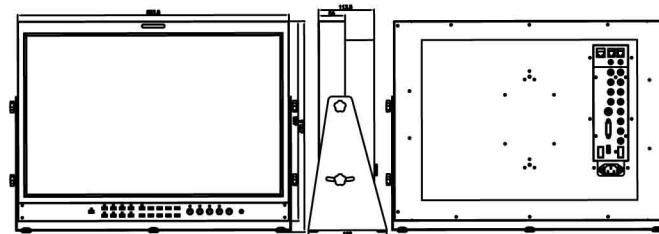
BQM-240LS splits and displays the input videos up to 4 screens, by the user-selectable number of screens and the contents to display.

Features

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> ·Various Split Screens ·HD SDI Signal Reception ·2 Assignable Function Keys ·Closed Caption (CEA 608, 708) ·Current Time Clock Display | <ul style="list-style-type: none"> ·Various Input Signals ·16Ch Audio Level(H/V) ·Pixel-to-Pixel View ·Color Calibration Software(Optional, Training Required) | <ul style="list-style-type: none"> ·Advanced Video Analysis Features ·Various Markers ·Waveform/Vectorscope |
|--|--|--|

Main Body Dimensions

- Main Body
553.8 x 408 x 113.5 (mm)
21.8 x 16.1 x 4.5 (Inch)
- Weight
8.5kg / 3.85lbs.



LCD	
Size	24"
Resolution	1920 x 1200
Pixel Pitch	0.270mm
Color	16.7M(8bit)
Viewing Angle	178(H), 178(V)
Luminance of White	350 cd/m ²
Contrast	1000 : 1
Back Light	CCFL
Display Area (H x V)	518.4 x 324.0 (mm)
Input	
SDI Input	4EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack
Analog Input	3EA, Composite, Component(YPbPr/RGB), BNC Jack
DVI Input	1EA, DVI-I, 24pin, Female with PC-RGB Input
PC-RGB(DVI) Input	1EA,DVI + Analog Jack (with gender) [24Pin + 5Pin]
HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female
S-Video Input	1EA, S-VHS Din Jack
Output	
SDI Loop Output	4EA, BNC, Active Through Output
Analog Input Level	
Composite	1.0Vp-p[with sync], NTSC/PAL
YCIS-Video)	Y : 1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y : 1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p
Component (R/G/B)	G : 1.0Vp-p[with Sync], B :0.7Vp-p, R :0.7Vp-p
PC-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
Input Signal Format	
SMPTE 274M/292M	1920*1080i/60,59.94,50 1920*1080p/30,29.97,25,24,23.98,23.98sf
SMPTE 296M	1280*720p/60,59.94,50
SMPTE 260M	1920*1035i/60,59.94
SMPTE 259M/125M	720*480i/60,59.94
2K, SMPTE 428M	2048 x 1080p[24/24sF/23.98/23.98sF]
ITU R-BT.656	720*576i/50
Component	~1920 X 1080p
HDMI Digital	~1920 X 1200[embedded 2ch Audio,with HDCP]
DVI Digital	~1920 X 1200
PC-RGB(DVI) Mode	~1920 X 1080
Audio In / Out	
1 x Line In	L/R , Stereo pin jack
1 x Line Out	L/R , Stereo pin jack
2 x Speaker Out	2W+2W, Stereo
General	
1 x GPIO	Remote, RJ-45P Jack, GPI-7 Port
2 x Serial	RJ-11P Jack, RS-422/232C, Serial interface
1 x LTC Input	SMPTE STD Timecode signal, BNC Jack(Optional)
Power Requirements	AC(100-230V, 50/60Hz)
Power Consumption	80W
Operating Temperature	0°C ~ 35°C(41°F~95°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Options	• Rack Mount Kit • Vertical/Wall Mount • Carrying Case

* Specifications are subject to change without prior notice.

WIRELESS MODEL GUIDE FOR CHOICE

KEY FEATURE	MODEL	Distance	Obstacle Resist	SDI (3G/HD/SDI)	HDMI	V-Mount Plates for Camera & Battery	DV-Mount	Latency
Long Distance & Obstacle Resist	BW-100SV	150m (500ft)	✓	✓	✓	Built-In	No	20ms
	BW-100S	150m (500ft)	✓	✓	✓	No	Attachable (Sony/Canon/Panasonic)	20ms
	BW-100M	150m (500ft)	✓	No	✓	No	Attachable (Sony/Canon/Panasonic)	20ms
Short Distance with Affordable Prices	BW-101S	40m (130ft)	No	✓	✓	No	Built-In (Sony)	0.1ms
	BW-101M	40m (130ft)	No	No	✓	No	Built-In (Sony)	0.1ms

*Wireless communication can be interfered by weather, temperature, big obstacles, or other environment.

*Wireless communication cannot completely replace wired communication.

BW-100SV

Wireless HD
with V-Mount Plate



BW-100STV
(Transmitter)

BW-100SRV
(Receiver)

BW-100S

Wireless HD
without V-Mount Plate



BW-100ST
(Transmitter)

BW-100SR
(Receiver)

BW-100SV/BW-100S is a pair of HDMI & HD-SDI Wireless Transmitter and Receiver using H.264 Codec. They can be used in various Film/Studio Production industries.

Features

·Transmitting Multi Format Video Signal (~ 1080p/60)

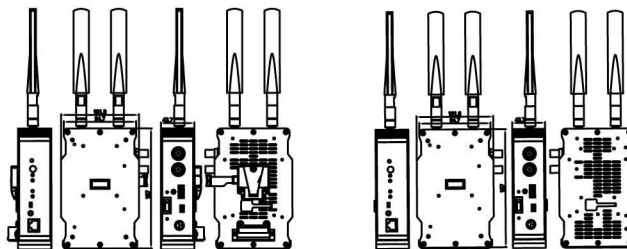
·Distance up to 150m (with normal antenna)

- Max 50Mbps
- Supporting 3G HD-SDI
- Automatically detects HD-SDI or SD-SDI
- Supporting SDI embedded audio(CH1 and CH2 only)
- Supporting WPS (WiFi Protected Setup)
- No special FCC license (U-NII-1 and U-NII-3)
- Uses integrated V-Mount for camera and battery connection

- Low Latency(20ms)
- Time Code
- Low Power Consumption(10W)
- Tally
- Signal protection by 802.11i
- The adoption of MIMO

Main Body Dimensions

- Main Body
101.9 x 157 x 43.7(mm)
4 x 6.2 x 1.7(inch)
- Weight
400g / 0.88 lbs.



BW-100STV / BW-100ST (Transmitter)

Input	
1 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
Audio Input	
1 x Phone Jack In	3.5mm TRS, Line Level Input
Output	
1 x BNC	SDI Active Loop Output
Video Format	
HD	1920x1080 (60p, 59.94p, 50p)
	1920x1080 (60i, 59.94i, 50i, 30p, 29.97p, 25p, 24p, 23.98p)
	1920x1080 (30psf, 29.97psf, 25psf)
	1280x720 (60p, 59.94p, 50p)
SD	NTSC, PAL
Radio	
Frequency	U-NII-1(5.15-5.25 GHz), U-NII-3(5.725-5.85 GHz)
Transmission Power	20mW(13.5dBm)
Transmission Distance	150m(with normal antenna), 500m(with special antenna)
Latency	20ms
Modulation	IEEE 802.11 a/n :OFDM
Encoding/Decoding	H.264 Base Profile @4.2
Antenna	2T x 2R SMA Female
Security	802.11i compatible signal protection by 128bit AES encryption
General	
1 x GPIO	GPI-7 Port, RJ-45P Jack
2 x mini_USB	F/W Update (Main, MICOM)
4 x LED	Power, Link, Battery, Tally
3 x Switch	Pairing, Input Selection, Power
Battery	V-Mount, DV-Mount
Power Requirements	DC(7V~24V) or AC (100~230V, 50Hz/60Hz)
Power Consumption	10W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable •Manual(CD) •DC Adaptor •V-Mount (BW-100STV) •Antenna 2ea
Option	•Carrying Case •DV Battery Mount (BW-100ST) •Stand •20dBi Directional Antenna •Anton Bauer Mount

BW-100SRV / BW-100SR (Receiver)

Output	
2 x BNC	3G/HD/SD-SDI, 2.97G/1.485G/270M
1 x HDMI	HDMI Out
General	
1 x IR	Remote Control Unit
1 x GPIO	GPI-7 Port, RJ-45P Jack
2 x mini_USB	F/W Update (Main, MICOM)
4 x LED	Power, Link, Battery, Tally
1 x Switch	Power
Battery	V-Mount, DV-Mount
Power Requirements	DC(7V~24V) or AC (100~230V, 50Hz/60Hz)
Power Consumption	9W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable •Manual(CD) •DC Adaptor •V-Mount (BW-100SRV) •Antenna 2ea •Remocmon
Option	•Carrying Case •DV-Battery Mount(BW-100SR) •DV Dual Battery Mount(BW-100SR) •Anton Bauer Mount •Stand •20dBi Directional Antenna

* Specifications are subject to change without prior notice.

BW-100M Wireless HD



BW-100MT

(Transmitter)

BW-100MR

(Receiver)

BW-100M is a pair of HDMI Wireless Transmitter and Receiver using H.264 Codec. They can be used in various Film/Studio Production industries.

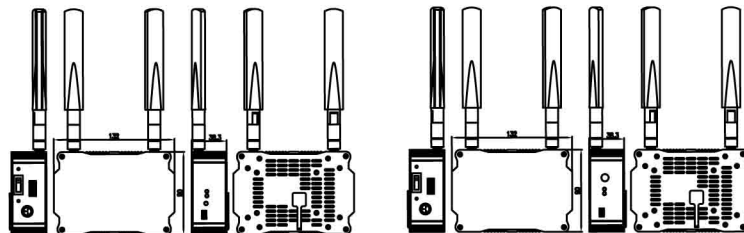
Features

- Transmitting Multi Format Video Signal (~ 1080p/60)
- Distance up to 150m (with normal antenna)

- Up to 50Mbps encoding bitrate
- Low Power Consumption(10W)
- bi-directional data link at 11Kbps
- Signal protection by 802.11i
- Adoption of MIMO
- Very Low Latency(20ms)
- Real Time Transmitter Selection
- Automatic encoding rate adjustment for RF condition
- No special FCC license (U-NII-1 and U-NII-3)
- DV-Mount for battery connection

Main Body Dimensions

- Main Body
124 x 90 x 34(mm)
4.9 x 3.5 x 1.3(inch)
- Weight
400g / 0.88 lbs.



BW-100MT (Transmitter)

Input	
1 x HDMI	HDMI, (with HDCP v.1.4), 19pin Female
Video Format	
HD	1920x1080 (60p, 59.94p, 50p) 1920x1080 (60i, 59.94i, 50i, 30p, 29.97p, 25p, 24p, 23.98p) 1280x720 (60p, 59.94p, 50p)
Radio	
Frequency	U-NII-1(5.15-5.25 GHz), U-NII-3(5.725-5.85 GHz)
Transmission Power	20mW(13.5dBm)
Transmission Distance	150m (with normal antenna), 500m (with special antenna)
Latency	20ms
Modulation	IEEE 802.11 a/n : OFDM
Encoding/Decoding	H.264 Base Profile @4.2
Antenna	2T x 2R SMA Female
Security	802.11i compatible signal protection by 128bit AES encryption
General	
1 x mini_USB	F/W Update
2 x LED	Power, Link
2 x Switch	Pairing, Power
Battery	DV-Mount
Power Requirements	DC(7V~24V) or AC (100~230V, 50Hz/60Hz)
Power Consumption	5W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable •Manual(CD) •DC Adaptor •Antenna 2ea
Option	•Carrying Case •20dBi Directional Antenna •DV Battery Mount •V-Mount •Stand

BW-100MR (Receiver)

Output	
1 x HDMI	HDMI Out
General	
1 x IR	Remote Control Unit
1 x mini_USB	F/W Update
2 x LED	Power, Link
1 x Switch	Power
Battery	DV-Mount
Power Requirements	DC(7V~24V) or AC (100~230V, 50Hz/60Hz)
Power Consumption	5W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable •Manual(CD) •DC Adaptor •Antenna 2ea •Remocon
Option	•Carrying Case •DV Battery Mount •DV Dual Battery Mount •20dBi Directional Antenna •V-Mount •Stand

* Specifications are subject to change without prior notice.

BW-101S

Wireless HD



BW-101S is HDMI & SDI Wireless Transmitter and Receiver in uncompressed format.

Features

Uncompressed Transmission

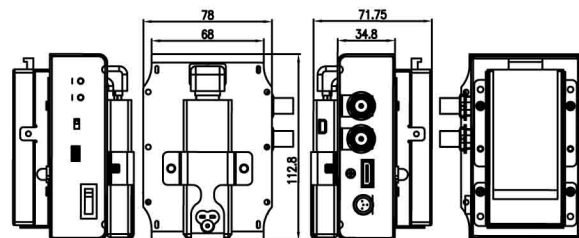
- Distance up to 40m (130 feet)
- Low Power Consumption
- No Special FCC License (U-NII-1 and U-NII-3)

Zero Latency

- SDI Input Support
- Transmitting Multi Format Video Signal (~ 1080p/60)
- Sony DV-Mount for Battery Connection

Main Body Dimensions

- Main Body
78 x 112.8 x 71.8(mm)
3.71 x 4.4 x 2.8(inch)
- Weight
400g / 0.88 lbs.



BW-101ST (Transmitter)










Video Resolution	
HD	480p, 576i, 576p, 720p, 1080i, 1080p@60Hz
PC	VGA(640x480), SVGA(800x600), XGA(1024x768)
PANEL	854x800, 1280x768, 1366x768, 1920x1080
Input	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
Frequency	
EU	5.19-5.23 GHz
US	5.19-5.23 GHz and 5.755-5.795 GHz
System Performance	
Delay	System latency less than one millisecond
Uplink	System supports wireless transfer of status and command data
Multicast	System supports wireless transfer of video to 4 receivers
Switching	System supports video switching between different sources
General	
Video Interface	HDMI 1.3 / HDCP 1.3
Audio Formats	I2S; PCM; SPDIF; AC-3; DTS; Dolby 5.1/7.1
Distance	Up to 40m, Line of Sight
Schedule	Samples, MP-Available
Product Regulation	CE, FCC, RoHS, ESD+2Kv
Bandwidth	20MHz/40MHz

BW-101MR (Receiver)

Output	
1 x HDMI	HDMI, [with HDCP v.1.1], 19pin Female
General	
1 x USB	F/W Update
3 x LED	Power, Video Lock, Network Lock
1 x Reset	Reset Button
Power Consumption	7W
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)

* Specifications are subject to change without prior notice.

ACCESSORIES GUIDE FOR CHOICE

NAME	PICTURE					Compatible Product
DV Battery Mount	 5" All	 7"	 7" (FM-0725C/H)	 7.7" (FM-0725C0)	 7", 7.7", Wireless	Sony: NP-F570/770/970 BP-U30/60 Canon: LP-E6 Panasonic: CGA-D54s
V-Mount	 Farseeing 7"	 Farseeing 9-17"	 IDX 7"	 IDX 7" (072)	 IDX 9"-21.5"	
A-B Mount	 7"-18.5"					
SunHood	 5"	 7"	 7.7", 9"	 15", 17", 18.5"		
Acrylic Protector	 5"	 7", 7.7"	 9"	 15"	 17", 18.5"	
Camera Ball Mount	 5"	 7"				
D-Tap Power Cable	 5"	 7"				
Rack Mount Kit	 7", 7.7"	 9"	 17"	 18.5"	 20"-24"	
Pouch	 5", 7"					
Carrying Case	 17"-24"	 Wireless				
Directional Antenna	 Wireless					
Stand	 7"	 32"	 46"			



BON ELECTRONICS

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