



Broadcast monitors
Broadcast Equipment



Field monitor 5.5"
OLED monitor 24.5"

AUGUST 2014

Broadcast Monitors

Field Type	The Field Monitor Series is the Ideal On-Camera Monitor for DSLR and ENG Cameras with its Compact and Lightweight Casing and HDMI-to-SDI Converter.	FM-052SC FM-055F	FM-073SC	P6~8
Cost Innovative BEM Series BSM Series	The Cost Innovative Series Guarantees the Highest Picture Quality and Outstanding Performance with its Essential Features Required for Broadcasters and Professionals	BEM-072 BEM-182 BEM-212 BEM-242	BSM-182i BSM-212i BSM-242i	P9~15
Standard BSM Series	The Standard Series is Equipped with the Standard Functions that Satisfy the Needs in the Current Video Production and Post Production.	BSM-093N3G BSM-173N3G BSM-213N3G	BSM-243N3G BSM-463N3G	P16~20
Professional BXM Series	The Professional BXM Series Offers Outstanding Picture Quality, Wide Angle View and Broadcast Features Required by the Most Demanding Production Condition	BXM-173T3G BXM-183L3G BXM-243L3G	BXM-243T3G BXM-323L3G	P21~25
Grade 1S	The Innovative OLED Monitor Contributes to the Best Picture Quality with its High-Definition and Professional Features Required in the Most Color-Critical Work Environment.	TXM-243T3G		P26
Super Bright BSM Series	The Super Bright Monitors Series is the Best Solution in Outdoor Filming with its Sunlight-Visible Screen, Outperforming Video Processor and Professional Features.	BEM-072H FM-073SCH BSM-153H	BSM-183H BSM-213H	P27~31
Recordable Series	The Recordable Monitor Series Allows Broadcaster and Professionals Review the Footage Instantly without Touching the Main Camera with its Recording Function.	RM-072S BXM-183R3G		P32~33
Quad Series	The Quad-Split Monitor Series displays Input Videos up to 4 Separated Screens with Sharp Full HD, Providing Multi Channel In/Out for Professionals	BQM-170LS BQM-240LS		P34~35

Broadcast Equipment

Wireless

- Shoot in a bad location where wires cannot go through.
- Its stable connection can go up to 150m(500ft)
- Innovative Price.



P37~38

All-in-One AV Switcher

- BT7 is a software A/V switcher & mixer which provides a cost-effective solution for broadcasting in a small station.
- While monitoring multiple preview screens, it is also able to record & playback the input video and audio.
- It also provides schedule playback and exact PPT file recognition and display.



P39

Routing Switcher

- SDI/HDMI Convertible Model (BRS-HD8866SM, BRS-HD8822SM)
- Users can choose a convertible router to use both SDI and HDMI signals, SDI-only switchers or HDMI-only switchers.
- SDI Model :Price Innovation and SDI Signal superior Quality.
- HDMI Model :Superior signal compatibility.



BRS-HD8866SM (Convertible) BRS-HD808M (HDMI)
BRS-HD8822SM (Convertible) BRS-HD404M (HDMI)
BRS-HD808S (SDI)

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Converter

- Innovative Price.
- Signal Format Scaling function.



BC-100SM
BC-100MS

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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	3D LUT	Gamma Selection
Field Type	FM-055F	5.45"	1920x1080	8bit	160/160	450cd/m ²	1000:1	1xBNC	-	√	-	-	1xBNC	-	√	-	*1,*2	-	-	√	√	-	10bit	-	-	-
	FM-052SC	5"	800x480	8bit	170/170	300cd/m ²	600:1	1xBNC	-	√	-	-	1xBNC	-	-	-	*1,*2	-	-	√	√	-	10bit	-	-	-
	FM-073SC	7"	1024x600	8bit	160/160	400cd/m ²	900:1	2xBNC	3xRCA	√	-	-	1xBNC	-	√	-	*1,*2	*3,*4,*5	√	√	√(MONO)	-	10bit	√	-	-
Cost Innovative BEM Series	BEM-072	7"	1024x600	8bit	160/160	400cd/m ²	900:1	1xBNC	-	√	-	-	1xBNC	-	-	-	*1,*2	-	-	√	-	-	10bit	√	-	-
	BEM-182	18.5"	1366x768	6+FRC 2bit	170/160	250cd/m ²	1000:1	1xBNC	-	√	-	-	1xBNC	-	-	-	*1,*2	-	-	√	-	-	10bit	√	-	-
	BEM-212	21.5"	1920x1080	8bit	178/178	250cd/m ²	3000:1	1xBNC	-	√	-	-	1xBNC	-	-	-	*1,*2	-	-	√	-	-	10bit	√	-	-
	BEM-242	24"	1920x1080	8bit	178/178	250cd/m ²	3000:1	1xBNC	-	√	-	-	1xBNC	-	-	-	*1,*2	-	-	√	-	-	10bit	√	-	-
Cost Innovative BSM Series	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	178/178	250cd/m ²	3000:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*2	*3,*4,*5	√	√	√	-	10bit	√	-	-
	BSM-242i	24"	1920x1080	8bit	178/178	250cd/m ²	3000:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*2	*3,*4,*5	√	√	√	-	10bit	√	-	-
Standard BSM Series	BSM-093N3G	9"	960x540	8bit	170/170	400cd/m ²	1000:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	√	√	√	√	10bit	√	-	-
	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-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	√	-	-
	BSM-463N3G	46"	1920x1080	6+FRC 2bit	178/178	500cd/m ²	4000:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	√	√	√	√	10bit	√	-	-
Professional BXM Series	BXM-173T3G	17"	1920x1080	10bit	178/178	300cd/m ²	800:1	2xBNC	3xBNC	√	√	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	√	√	√	√	12bit	√	-	-
	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	31.5"	1920x1080	8bit	178/178	350cd/m ²	3000:1	2xBNC	3xBNC	√	√	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	√	√	√	√	12bit	√	-	-
Grade 1S	TXM-243T3G	24.5"	1920x1080	10bit	178/178	400cd/m ²	5000:1	2xBNC	3xBNC	√	√	1xBNC	2xBNC	3xBNC	-	1xBNC	*1,*2	*3,*4,*5	√	√	√	√	12bit	√	√	√
Super Bright BSM Series	BEM-072H	7"	1024x600	8bit	160/160	1100cd/m ²	900:1	1xBNC	-	√	-	-	1xBNC	-	-	-	*1,*2	-	-	√	-	-	10bit	√	-	-
	FM-073SCH	7"	1024x600	8bit	160/160	1100cd/m ²	900:1	2xBNC	3xRCA	√	-	-	1xBNC	-	√	-	*1,*2	*3,*4,*5	√	√	√(MONO)	-	10bit	√	-	-
	BSM-153H	15"	1024x768	8bit	160/160	1500cd/m ²	700:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	√	√	√	√	10bit	√	-	-
	BSM-183H	18.5"	1366x768	6+FRC 2bit	170/160	1200cd/m ²	1000:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	√	√	√	√	10bit	√	-	-
	BSM-213H	21.5"	1920x1080	8bit	178/178	1200cd/m ²	3000:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	√	√	√	√	10bit	√	-	-
Recordable Series	RM-072S	7"	1024x600	8bit	160/160	400cd/m ²	900:1	2xBNC	3xBNC	√	√	-	2xBNC	3xBNC	-	-	*1,*2	*3,*4,*5	√	√	√	√	10bit	-	-	-
	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 Series	BQM-170LS	17.3"	1920x1080	6+FRC 2bit	160/140	400cd/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	√	-	-

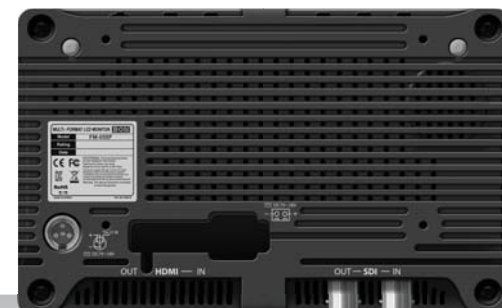
Input Formats

Input Signal Formats	SDI Input Signal	*1	SMPTE 425M AB	Level A(MS1, MS2, MS3, MS4), Level B(MS1, MS2, MS3, MS4)	
			SMPTE 372M (Dual HD-SDI)	YCbCr(4:2:2), 1920x1080p(60,59.94,50)	
			1920x1080i(60,59.94,50), 1920x1080p(30,29.97,24,23.98),	YCbCr/RGB(4:4:4), 1920x1080i(60,59.94,50), 1920x1080p(30,29.97,25,24,24sF,23.98,23.98sF)	
		*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)	
	Analog Input Signal	*3	SMPTE 125M/259M	720x480i(60,59.94), 720x576i(50)	
			ITU-R BT.656	720x576i(50)	
			2K Format	2048x1080p(24,24sF,23.98,23.98sF)	
		*4	YC(S-Video)	Y:1.0Vp-p, C:0.286Vp-p	
			Composite	1.0Vp-p(with sync), NTSC/PAL	
	*5		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	

new

Field Type FM-055F

Featuring 5" 1920x1080 LED back lit LCD panel, the lightweight FM-055F is the best 5" on-camera monitor for DSLR and ENG cameras, providing HDMI to SDI Conversion, DSLR Scale, Focus Peaking, Selectable Loop-Through or Conversion Out, Markers, De-embedded 8~16ch Audio Level Meterer, Horizontal/Vertical Screen Flipping, and Range Error Check.

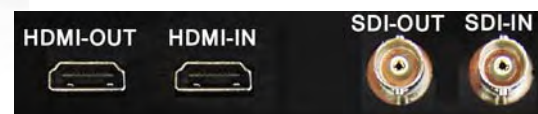


Features

- Supporting 3G-SDI (Level A/B)
- DV- Battery Level Indicator
- USB Memory Update
- Waveform / Vector scope
- 8~16ch Audio Level Meter
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- Color Calibration for optimal luminance, gamma, color temperature
- HDMI-to-SDI & SDI-to-HDMI Converter
- Auto Color Temperature Adjustment
- Focus Assistance
- Compatible to various DSLR Output
- Exposure Range Check
- Tally automatically turns on When recording(Arri, Red)
- H/V Delay, Pixel-to-Pixel View, Zero/Under/Over Scan, Blue/Mono
- Horizontal/Vertical Level Meters
- Auto H/V Flip
- False Color
- Time Code(Except 3G Level B)
- R/G/B/W Internal Patterns

Main Body Dimensions

- Main Body
156 x 98 x 35 (mm) /
6.14 x 3.85 x 1.37 (inch)
- Weight:TBD



LCD	
Size	5.46"
Resolution	1920 x 1080
Pixel Pitch	0.021 x 0.063 mm
Color	8bit
Viewing Angle	160(H), 160(V)
Luminance of White	450 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area [H x V]	68.04 (H) x 120.96(V) mm
Input	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female

Output	
1 x BNC	SDI- Loop-through or HDMI conversion Out
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female or SDI conversion Out
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
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)

Audio In / Out	
2 x Phone Jack Out	H/P Out(Stereo)
2 x Speaker Out	0.5W, Mono
General	
1 x Mini USB	For firmware update
Power Requirements	DC (7V~18V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	10W
Operating Temperature	-10°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Manual(CD) / Cleaner / DC Adaptor / AC Power Cord / Acrylic Protector
Option	• Sun Hood(PVC) / V-Mount / Anton-Bauer Mount / D-Tap Power Cable / DV Battery Mount(Dual/Single-NCT) / Pouch / Tripod Adapter

* Specifications are subject to change without prior notice.

Field Type FM-052SC

FM-052SC is a 5" on-camera monitor for DSLR and ENG cameras with useful features such as auto flip and H/V level meter.

An external display can be connected via its HDMI-to-SDI converter.

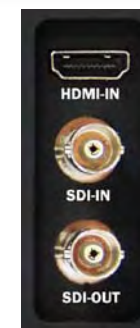


Features

- Color Calibration
- 10-bit Signal Processor
- False Color On/Off
- Tally LED Control Output
- De-embedded 8~16ch Audio Level Meterer
- Shortcut Button for Daylight Mode
- Input Mode & Status Display
- R/G/B/W Internal Patterns
- Selectable Loop-Through or Conversion Out
- Supporting 3G-SDI (Level A/B)
- Time Code(Except 3G Level B)
- Waveform/Vector scope
- Input Mode & Status Display
- Exposure Error Check
- Horizontal/Vertical Level Meters
- Battery Level Indicator
- Auto Luminance Control
- Zero/Under/Over Scan, Blue/Mono
- Auto Color Temperature Adjustment
- Focus Peaking
- Compatible to various DSLR Output
- Various Markers
- HDMI to SDI Conversion
- Auto Flip(Vertical Flip)
- Horizontal/Vertical Screen Flipping
- H/V Delay, 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
350g / 0.77lbs.



LCD	
Size	5.0"
Resolution	800 x 480
Pixel Pitch	0.135 x 0.135 mm
Color	8bit, 16.7M
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 SDI	BNC port for HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
Output	
1 x SDI	HD/SD-SDI BNC port, Selectable Loop-through or Convert Out

Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4
	Level B MS1, MS2, MS3, MS4
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)
Audio In/Out	
1 x Phone Jack Out	H/P Out(Stereo)
2 x Speaker Out	0.5W+0.5W, Stereo

General	
Power Requirements	DC 7V ~ 17V or AC Adaptor(100~230V, 50Hz/60Hz)
Power Consumption	TBD
Operating Temperature	-20°C ~ 60°C
Operating Humidity	20% ~ 80% RH
Accessories	• Manual(CD) • AC Adaptor • Cleaner
Option	• Acrylic Protector • Sun Hood • Pouch • DV Battery Mount • D-Tap Power Cable • Hot Shoe Ball Mount

* Specifications are subject to change without prior notice.

Field Type

FM-073SC

FM-073SC is an on-camera monitor that offers auto flip, H/V level meters, various zoom modes for DSLR, and embedded 1:1 SDI-HDMI, HDMI-SDI converters.



Features

- True 1:1 HDMI-to-SDI Converter
- Color-Calibrated Screen
- Battery Level Indicator
- PIP, PAP
- False Color
- Closed Caption (CEA-608/708)
- Exposure Range Check
- H/V Delay
- Tally LED Control Output
- Firmware Update with USB Memory
- H/V Level Meters & Auto Flip
- Supporting 3G-SDI (Level A/B)
- Auto Luminance Control
- Waveform/Vector scope
- Fast Motion Mode
- Time Code (except 3G Level B)
- UMD/IMD Mode
- Pixel-to-Pixel View
- Various Markers
- R/G/B/W Internal Patterns
- Auto Color Temperature Adjustment
- 10-bit Signal Processor
- Still Image Overlay
- Focus Assistance
- Compatible to various DSLR Output
- 8~16ch Audio Level Meters
- AFD & V-CHIP (SDI Only)
- Zero/Under/Over Scan
- USB Memory Update

Main Body Dimensions

- Main Body
210 x 130 x 33.1 (mm)
8.3 x 5.1 x 1.3 (inch)
- With stand
255.8 x 159.5 x 77.8 (mm)
10.1 x 6.3 x 3.1 (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	160(H), 160(V)
Luminance of White	400 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, 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
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 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)

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	TBD
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 / Anton Bauer Mount • DV Dual Battery Mount / D-Tap Power Cable • Rack Mount Kit / Stand / V-Mount
Option	

* Specifications are subject to change without prior notice.

Cost Innovative BEM Series **BEM-072**

BEM-072 is a cost-effective 7" on-camera monitor. It has color-calibrated screen with selectable color temperatures accepting SD through 3G SDI. A DV battery or V-Mount is attachable on the back and an optional tilting stand is selectable on purchase.



Features

- Color-Calibrated Screen
- Supporting 3G-SDI (Level A/B)
- Supporting parade mode
- Waveform/Vectorscope (SDI)
- False Color (SDI Only)
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) Port
- De-embedded 8~16ch Audio Level Meter(SDI)
- 2CH Audio Level Meter(HDMI)
- Supporting 3G-SDI (Level A/B)
- 10-bit Signal Processor
- Focus Assistance(SDI Only)
- UMD Mode Display
- Firmware Update via USB Flash Memory
- H/V Delay, RGB/Mono
- 3 Color TALLY Lamp
- R,G,B, and White Internal Patterns Display for Color Test (SDI Only)
- Copying the preset data to another monitor by USB memory
- Pixel-to-Pixel View
- Monitor Control/Update via RS-422
- Exposure Range Check(SDI Only)
- Various Markers
- V-CHIP display (SDI Only)
- Time Code Display(SDI Only)
- PiP, PaP (Between SDI & HDMI Input)

Main Body Dimensions

- Main Body
205.0 x 112.0 x 32.1(mm)
5.2 x 2.8 x 0.8(inch)
- Weight
0.8kg / 1.8 lbs.



LCD	
Size	7"
Resolution	1024 * 600
Pixel Pitch	0.15 x 0.15mm
Color	16.7M(8bit) Colors
Viewing Angle	160(H), 160(V)
Luminance of White	400 cd/m ²
Contrast	900 : 1
Back Light	LED
Display Area (H x V)	153.6 x 90.0 mm
Input	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI1.3 (with HDCP v.1.3), 19pin Female

Output	
1 x BNC	SDI Loop Through
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080,24p/psf,23.98p/psf 1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 274M/292M	
SMPTE 296M	1280*720p/60,59.94,50
SMPTE 260M	1920*1035i/60,59.94
SMPTE 125M/259M	720*480i/60,59.94, 720*576i/50
ITU R-BT.656	576i(50)
Audio In / Out	
1 x Phone Jack Out	H/P Out(Stereo)

General	
1 x RJ-45	GPI-7 Port for control
2 x RJ-11	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 7V~24V or AC Adaptor (100V~230V, 50Hz/60Hz)
Power Consumption	11W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable / AC-Adaptor / Cleaner / Manual •Acrylic Protector / Sun Hood / V-Mount •Anton Bauer Mount / Rack Mount Kit / Carrying Case •Wall Bracket / Tilting Stand
Option	

* Specifications are subject to change without prior notice.

Cost Innovative BEM Series **BEM-182**

BEM-182 is a cost-effective 18.5" LED broadcast monitor. It has color-calibrated screen with selectable color temperatures. It can be attached in front of a rack providing larger viewable area than general 17" rack/wall mount monitor. V-Mount or Anton Bauer battery is attachable on the back



Features

- Supporting 3G-SDI (Level A/B)
- Monitor Control/Update via RS-422
- Exposure Range Check(SDI Only)
- Various Markers· False Color (SDI Only)
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) Port
- Closed Caption
- Copying the preset data to another monitor by USB memory(menu settings etc.)
- 10-bit Signal Processor
- Supporting parade mode
- Waveform/Vectorscope (SDI)
- Firmware Update via USB Flash Memory
- H/V Delay, RGB/Mono (SDI ONLY)
- 3 Color TALLY Lamp
- De-embedded 8~16ch Audio Level Meter(SDI), 2CH Audio Level Meter(HDMI)
- PiP/PaP (Between SDI & HDMI Input)
- Focus Assistance(SDI Only)
- UMD Mode Display
- V-CHIP display (SDI Only)
- Time Code Display(SDI Only)
- Pixel to Pixel
- R,G,B,

Main Body Dimensions

- Main Body
458.0 x 262.0 x 38.1 (mm)
18.0 x 10.3 x 1.5 (inch)
- With stand
458.0 x 295.0 x 118.0 (mm)
18.6 x 12.8 x 4.6 (inch)
- Weight
4.5kg / 9.9 lbs.



LCD	
Size	18.5"
Resolution	1366 x 768
Pixel Pitch	0.3 x 0.3mm
Color	16.7M Colors (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
Input	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI1.3 (with HDCP v.1.3), 19pin Female

Output	
1 x BNC	SDI Loop Through
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080i, 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 296M	1280*720p/60, 59.94, 50
SMPTE 260M	1920*1035i/60, 59.94
SMPTE 125M/259M	720*480i/60, 59.94, 720*576i/50
ITU R-BT.656	576i(50)
Audio In / Out	
1 x Phone Jack Out	H/P Out(Stereo)

General	
1 x RJ-45	GPI-7 Port for control
2 x RJ-11	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC 12V~24V or AC Adaptor (100V~230V, 50Hz/60Hz)
Power Consumption	21W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	· Power Cable / AC-Adaptor / Cleaner / Manual
Option	· Acrylic Protector / Sun Hood / V-Mount · Anton Bauer Mount / Rack Mount Kit / Carrying Case · Wall Bracket / Tilting Stand

* Specifications are subject to change without prior notice.



Cost Innovative BEM Series **BEM-212**

**BEM-212 is a
cost-effective 21.5" LED
broadcast monitor. It
has color-calibrated
screen with selectable**

Features

- Supporting 3G-SDI (Level A/B)
- 10-bit Signal Processor
- PiP/PaP (Between SDI & HDMI Input)
- Monitor Control/Update via RS-422
- Rack & VESA Mount (Option)
- Focus Assistance(SDI Only)
- Exposure Range Check(SDI Only)
- Waveform/Vectorscope (SDI Only)
- UMD Mode Display
- Firmware Update via USB Flash Memory
- Various Markers
- False Color (SDI Only)
- V-CHIP display (SDI Only)
- Zero/Under/Over Scan
- H/V Delay, RGB/Mono, Pixel to Pixel
- Time Code Display
- Remote Control via GPI(RJ-45) Port
- 3 Color TALLY Lamp
- Rack & VESA Mount (Option)
- 2CH Audio Level Meter(HDMI)
- Remote Control via GPI(RJ-45) Port
- De-embedded 8~16ch Audio Level Meter(SDI)
- R,G,B, and White Internal Patterns Display for Color Test (SDI Only)
- Copying the preset data to another monitor by USB memory(menu settings etc.)

Main Body Dimensions

- Main Body
523.2 x 299.6 x 38.1 (mm)
20.6 x 11.8 x 1.5 (inch)
- With stand
523.2 x 331.6 x 140 (mm)
18.6 x 13.1 x 5.5 (inch)
- Weight
6kg / 13.2 lbs.



LCD	
Size	21.5"
Resolution	1920 x 1080
Pixel Pitch	0.24825mm
Color	16.7M(8bit) Colors
Viewing Angle	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	3000 : 1
Back Light	LED
Display Area (H x V)	476.64 x 268.11 mm
Input	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI1.3 (with HDCP v.1.3), 19pin Female

Output	
1 x BNC	SDI Loop Through
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
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 296M	1280*720p/60, 59.94, 50
SMPTE 260M	1920*1035i/60, 59.94
SMPTE 125M/259M	720*480i/60, 59.94, 720*576i/50
ITU R-BT.656	576i(50)
Audio In / Out	
1 x Phone Jack Out	H/P Out(Stereo)

General	
1 x RJ-45	GPI-7 Port for control
2 x RJ-11	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V~24V or AC Adaptor (100~230V, 50Hz/60Hz)
Power Consumption	39W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable / AC-Adaptor / Cleaner / Manual
Option	• Acrylic Protector / Sun Hood / V-Mount • Anton Bauer Mount / Rack Mount Kit / Carrying Case • Wall Bracket / Tilting Stand

* Specifications are subject to change without prior notice.

Cost Innovative BEM Series BEM-242

BEM-242 is a cost-effective 24" LED broadcast monitor.

It has color-calibrated screen with selectable color temperatures. Also, an optional tilting stand is selectable on purchase.



Features

- Color-Calibrated Screen
- Supporting 3G-SDI (Level A/B)
- supporting parade mode
- Waveform/Vectorscope (SDI)
- False Color (SDI Only)
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) Port
- De-embedded 8~16ch Audio Level Meter
- Closed Caption Display
- Copying the preset data to another monitor by USB memory
- Signal Analysis Features
- 10-bit Signal Processor
- Focus Assistance(SDI Only)
- UMD Mode Display
- Firmware Update via USB Flash Memory
- H/V Delay, RGB/Mono, Pixel to Pixel
- 3 Color TALLY Lamp
- Closed Caption Display
- R,G,B, and White Internal Patterns Display for Color Test (SDI Only)
- Supporting 3G-SDI (Level A/B)
- Monitor Control/Update via RS-422
- Exposure Range Check(SDI Only)
- Various Markers
- V-CHIP display (SDI Only)
- Time Code Display(SDI Only)
- Remote Control via GPI(RJ-45) Port
- PiP/PaP (Between SDI & HDMI Input)

Main Body Dimensions

- Main Body
583.6 x 330.6 x 38.1 (mm)
22.9 x 13.0 x 1.5 (inch)
- With stand
583.6 x 330.6 x (mm)
22.9 x 13.0 x (inch)
- Weight
6.8kg / 15.0 lbs.



LCD	
Size	24"
Resolution	1920 x 1080
Pixel Pitch	0.27675mm
Color	16.7M(8bit) Colors
Viewing Angle	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	3000 : 1
Back Light	LED
Display Area (H x V)	531.36 x 298.89 mm
Input	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI1.3 (with HDCP v.1.3), 19pin Female
Output	
1 x BNC	SDI Loop Through

Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080, 24p/psf, 23.98p/psf 1920*1080i (60, 59.94, 50)
SMPTE 274M/292M	1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 296M	1280*720p/60, 59.94, 50
SMPTE 260M	1920*1035i/60, 59.94
SMPTE 125M/259M	720*480i/60, 59.94, 720*576i/50
ITU R-BT.656	576i(50)
Audio In / Out	
1 x Phone Jack Out	H/P Out(Stereo)

General	
1 x RJ-45	GPI-7 Port for control
2 x RJ-11	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	DC 12V~24V or AC Adaptor (100~230V, 50Hz/60Hz)
Power Consumption	40W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	Power Cable / AC-Adaptor / Cleaner / Manual
Option	Acrylic Protector / Sun Hood / V-Mount Anton Bauer Mount / Rack Mount Kit Wall Bracket / Tilting Stand / Carrying Case

* Specifications are subject to change without prior notice.

Cost Innovative BSM Series BSM-182i

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
- TimeCode Display
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) port
- 3 Color Tally Lamp
- Copying the preset data to another monitor by USB memory
- USB Memory Update
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay
- Freeze Frame
- PiP, PaP (Between Analog & Digital input)
- 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
- Rack & VESA Mount (Option)
- Update/Control via RS-422

Main Body Dimensions

- Main Body
438.4 x 308.8 x 58.5(mm)
17.2 x 12.2 x 2.6(inch)
- With stand
473.4 x 325.3 x 140(mm)
18.6 x 12.8 x 5.5(inch)
- Weight



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
Input	
2 x BNC	HD/SD-SDI, 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-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 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	38W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable / Manual(CD) / Cleaner • Acrylic Protector / Sun Hood / V-Mount
Option	• Anton Bauer Mount / Rack Mount Kit / Carrying Case

* Specifications are subject to change without prior notice.

Cost Innovative
BSM Series

BSM-212i

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
- Focus Assistance
- Time Code
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan/Zoom Scan
- USB Memory Update
- 3 Color Tally Lamp
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns
- Copying the preset data to another monitor by USB memory
- 1920x1080 Full HD Resolution
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay
- Freeze Frame
- Update/Control via RS-422
- Remote Control GPI(RJ-45) port
- Waveform/Vector Scope
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Pixel-to-Pixel View
- Rack & VESA Mount (Option)
- PiP/PaP (Between HDMI & SDI Input)

Main Body Dimensions

- Main Body
503.6 x 348 x 59.2(mm)
19.8 x 13.7 x 2.3(inch)
- With stand
538.6 x 363.5 x 145(mm)
21.2 x 14.3 x 5.7(inch)
- Weight
7.2kg / 15.9 lbs.



LCD	
Size	21.5"
Resolution	1920 x 1080
Pixel Pitch	0.24825 mm
Color	8bit
Viewing Angle(deg)	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	3000 : 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
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	
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	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 / Acrylic Protector

* Specifications are subject to change without prior notice.

Cost Innovative BSM Series BSM-242i

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
- Time Code
- UMD/IMD Mode
- R,G,B and Gray only Display
- Zero/Under/Over Scan/Zoom Scan
- USB Memory Update
- 3 Color Tally Lamp
- R/G/B/W/Black/Color Bar/RP219 Internal Patterns
- Copying the preset data to another monitor by USB memory
- USB Memory Update
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay
- Freeze Frame
- Update/Control via RS-422
- Remote Control GPI(RJ-45) port
- Waveform/Vector Scope
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- Pixel-to-Pixel View
- Rack & VESA Mount (Option)
- PiP/PaP (Between HDMI & SDI Input)

Main Body Dimensions

- Main Body
563.0 x 376.1 x 61.0(mm)
22.2 x 14.8 x 2.4(inch)
- With stand
598.6 x 391.5 x 167.2(mm)
22.6 x 15.4 x 6.6(inch)
- Weight
9kg / 19.8 lbs.



LCD	
Size	24"
Resolution	1920 x 1080
Pixel Pitch	0.27675 mm
Color	16.7M (6bit + Hi-FRC)
Viewing Angle[deg]	178(H), 178(V)
Luminance of White	250 cd/m ²
Contrast	3000 : 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
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	
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	45W
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.

Standard BSM Series

BSM-093N3G

BSM-093N3G is a 9" rack-mountable monitor with optimized 960x540 resolution LCD panel. It is downsampled to the half resolution of 1920x1080 to display a motion picture proportionally. It has 2 SDI in/out ports supporting 3G SDI, stereo audio in/out ports and speakers.



Features

- 10bit Signal Processor
- Focus Assistance
- Time Code
- UMD/IMD Mode
- R,G,B And Gray only Display
- Zero/Under/Over Scan
- 2ch HD/SD-SDI Input & Output
- R,G,B, and White Internal Patterns Display
- Copying the preset data to another monitor by USB memory
- Update/Control via RS-422 or Ethernet
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Freeze Frame
- USB Memory Update
- PiP/PaP (Between SDI & HDMI Input)
- 3G-SDI (Level A/B)
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Carious Markers
- 3 Color TALLY Lamp
- Remote Control via GPI(RJ-45) Port
- Waveform/Vector Scope

Main Body Dimensions

- Main Body
223 x 174 x 50.2(mm)
8.8 x 6.8 x 2.0(inch)
- With stand
269.2 x 204.5 x 108.7(mm)
10.6 x 8.1 x 4.3(inch)
- Weight
2.5kg / 5.5lbs.

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
Input	
2 x BNC	HD/SD-SDI, 3G/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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
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 296M	1280*720p/60, 59.94, 50
SMPTE 260M	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)
IComponent, VGA	480i/p ~ 1920 * 1080i/p
DVI Signal	480i/p ~ 1920 * 1080i/p
HDMI Digital	~ 1920 * 1200i/p(de-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	0.5W+0.5W, 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 Adapter(100-230V, 50/60Hz)
Power Consumption	24W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Acrylic Protector / Sun Hood / Carrying Case • Rack Mount Kit / V-Mount / Anton Bauer Mount

* Specifications are subject to change without prior notice.



Cost Innovative
BSM Series

BSM-173N3G

BSM-173N3G is a 17" broadcast monitor that can accept 3G SDI signal. This Monitor has native full HD screen.

Features

- Control via Network / Menu Setting Copy
- Firmware Update with USB Memory/Ethernet
- Closed Caption
- Exposure Range Check
- Various Markers
- Pixel-to-Pixel View
- R/G/B/W Internal Patterns
- Monitor Controllable via Ethernet
- PiP/PaP (Between SDI & HDMI Input)
- 1920 x 1080 Full HD Resolution
- Focus Assistance
- Time Code Display
- UMD/IMD Mode
- R,G,B or Gray Only Display
- Zero/Under/Over Scan
- Tally Display
- Color Calibration Software
- Copying the preset data to another monitor by USB memory
- 3G SDI (Level A/B)
- False Color
- 8~16ch Audio Level Meter
- AFD /V-CHIP(SDI Only)
- H/V Delay
- Freeze Frame
- Menu Setting Transfer with USB
- Color Calibration Software

Main Body Dimensions

- Main Body
438.4 x 310.8 x 66.4(mm)
17.2 x 12.2 x 2.6(inch)
- With stand
269.2 x 204.5 x 108.7(mm)
10.6 x 8.1 x 4.3(inch)
- Weight
5kg / 11lbs.



LCD	
Size	17.3"
Resolution	1920 x 1080
Pixel Pitch	0.1989 x 0.1989 mm
Color	16.7M(6bit+Hi FRC) Colors
Viewing Angle	160(H), 140(V)
Luminance of White	400 cd/m ²
Contrast	600 : 1
Back Light	LED
Display Area [H x V]	381.88 x 214.81 mm
Input	
2 x BNC	HD/SD-SDI, 3G/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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080i, 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 296M	1280*720p/60, 59.94, 50
SMPTE 260M	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, VGA	480i/p ~ 1920 * 1080i/p
DVI Signal	480i/p ~ 1920 * 1080i/p
HDMI Digital	~ 1920 * 1200i/p(de-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	1.5W+1.5W, 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 Adapter(100-230V, 50/60Hz)
Power Consumption	40W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner • DC Adaptor
Option	• Acrylic Protector / Sun Hood / Carrying Case • Rack Mount Kit / V-Mount / Aton Bauer Mount

* Specifications are subject to change without prior notice.

Standard BSM Series BSM-213N3G

BSM-213N3G is a 21.5" broadcast monitor that can accept 3G SDI signal. This Monitor reproduces high quality picture with wide color range and smooth gradient.



Features

- 10bit Signal Processor
- Focus Assistance
- Time Code
- UMD/IMD Mode
- R,G,B And Gray only Display
- Zero/Under/Over Scan
- 2ch HD/SD-SDI Input & Output
- R,G,B, and White Internal Patterns Display
- Copying the preset data to another monitor by USB memory
- Update/Control via RS-422 or Ethernet
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Freeze Frame
- USB Memory Update
- PiP/PaP (Betweet SDI & HDMI Input)
- 3G-SDI (Level A/B)
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Carious Markers
- 3 Color TALLY Lamp
- Remote Control via GPI(RJ-45) Port
- Waveform/Vector Scope

Main Body Dimensions

- Main Body
503.6 x 348.0 x 59.2(mm)
19.8 x 13.7 x 2.3(inch)
- With stand
538.6 x 363.5 x 145(mm)
21.2 x 14.3 x 5.7(inch)
- Weight
7.2kg / 15.9 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	HD/SD-SDI/3G/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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080i, 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 296M	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 / Anton Bauer Mount / Carrying Case

* Specifications are subject to change without prior notice.



Standard BSM Series BSM-243N3G

BSM-243N3G is a 24" broadcast monitor that can accept 3G SDI signal. This Monitor reproduces high quality picture with wide color range and smooth gradient.

Features

- 10bit Signal Processor
- Focus Assistance
- Time Code
- UMD/IMD Mode
- R,G,B And Gray only Display
- Zero/Under/Over Scan
- 2ch HD/SD-SDI Input & Output
- R,G,B, and White Internal Patterns Display
- Copying the preset data to another monitor by USB memory
- Update/Control via RS-422 or Ethernet
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Freeze Frame
- USB Memory Update
- PiP/PaP (Between SDI & HDMI Input)
- 3G-SDI (Level A/B)
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Carious Markers
- 3 Color TALLY Lamp
- Remote Control via GPI(RJ-45) Port
- Waveform/Vector Scope

Main Body Dimensions

- Main Body
553.4 x 403.5 x 62.5(mm)
21.7 x 15.8 x 2.4(inch)
- With stand
590.4 x 419 x 160(mm)
23.2 x 16.5 x 6.3(inch)
- Weight
9kg / 19.8 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(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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 274M/292M	1280*720p/60, 59.94, 50 1920*1035i/60, 59.94
SMPTE 296M	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	56W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable / Manual(CD) / Cleaner
Option	• Rack Mount Kit / Anton Bauer Mount / V-Mount • Acrylic Protector / Carrying Case

* Specifications are subject to change without prior notice.

Standard
BSM Series

BSM-463N3G

BSM-463N3G is a 46" broadcast monitor that can accept 3G SDI signal. This Monitor reproduces high quality picture with wide color range and smooth gradient.



Features

- Color Calibration
- 2ch HD/SD-SDI Input & Output
- Control/Update via Ethernet/RS-422
- PIP, PAP(Between analog and digital input)
- Firmware Update via USB Flash Memory
- H/V Delay, Blue/Mono, Pixel to Pixel
- Remote Control via GPI(RJ-45) Port
- Various Markers
- Copying the preset data to another monitor by USB memory
- Supporting 3G-SDI (Level A/B)
- 10-bit Signal Processor
- Focus Assistance
- AFD & V-CHIP display (SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- De-embedded 8~16ch Audio Level Meter
- Closed Caption Display
- R,G,B, and White Internal Patterns Display for Color Test
- Waveform/ Vector Scope
- Exposure Range Check
- False Color (SDI Only)
- 3 Color TALLY Lamp
- UMD/IMD Mode Display
- Zero/Under/Over Scan
- Time Code Display

Main Body Dimensions

- Main Body
1078.4 x 628.0 x 71.3(mm)
27.3 x 15.9 x 1.8(inch)
- With stand
1078.4 x 665.0 x 280(mm)
43.9 x 26.2 x 11.0(inch)
- Weight
40kg / 88.18lbs.



LCD	
Size	46"
Resolution	1920 x 1080
Pixel Pitch	0.53 mm
Color	10 bit (8bit + FRC)
Viewing Angle	178(H), 178(V)
Luminance of White	500 cd/m ²
Contrast	4000 : 1
Back Light	LED
Display Area (H x V)	1018.08 x 572.67 mm
Input	
2 x BNC	HD/SD-SDI, 3G/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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080p/24p/psf, 23.98p/psf 1920*1080i (60, 59.94, 50)
SMPTE 274M/292M	1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 296M	1280*720p/60, 59.94, 50
SMPTE 260M	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, VGA	480i/p ~ 1920 * 1080i/p
DVI Signal	480i/p ~ 1920 * 1080i/p
HDMI Digital	~ 1920 * 1200i/p(de-embedded Audio 2ch)

Audio In / Out	
1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Rear, 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	TBD
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Stand • Wall Mount • VESA

* Specifications are subject to change without prior notice.

new

Professional
BXM Series

BXM-173T3G

BXM-173T3G features 17" Full-Resolution (1920x1200) LED backlit LCD panel with 3D LUT, providing 12bit Signal Processor, Color Space Selectable by 3D LUT, Gamma Selection(1.0~3.0), Waveform/VectorScope, Closed Caption(CEA 608/705), Blue/Mono, Update/Control via RS-422 or Ethernet and 3G-SDI (Level A/B).



Features

- 12-bit Signal Processor
- Vector scope (SDI/HDMI/DVI/YPbPr)
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) port
- Supporting 3G-SDI (Level A/B)
- 3D-LUT for Accurate Color Reproduction (EBU, SMPTE-C, ITU-R BT.709, Native, User)
- Color Calibration for optimal luminance, gamma, color temperature
- Copying the preset data to another monitor by USB memory(menu settings etc.)
- Firmware Update via USB Flash Memory
- Focus Assistance
- Time Code Display (ATC_HD-SDI/DVITC_SD-SDI, Except 3G Level B)
- UMD/IMD Mode Display
- R,G,B, and White Internal Patterns Display
- Freeze Frame
- Gen-lock(video synchronization)
- Blending, PaP, PiP
- Waveform (SDI/HDMI/DVI/YPbPr, supporting parade mode)
- False Color (SDI Only)
- De-embedded 8~16ch Audio Level Meter
- AFD & V-CHIP display (SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Rack & VESA Mount (Option)
- 3 Color Tally Lamp
- Fast Motion Mode
- Gamma Selection (G2.6/G2.35/G2.2/DICOM/Adjust(1~3.0)
- Monitor Control/Update via Ethernet/RS-422
- I/P Conversion for Motion Response (Minimizing the delay)

Main Body Dimensions

- Main Body
438.4 x 310.8 x 66.4(mm) /
17.2 x 12.2 x 2.6(inch)
- With stand
269.2 x 204.5 x 108.7(mm) /
10.6 x 8.1 x 4.3(inch)
- Weight
5kg / 11lbs.



LCD	
Size	17.3"
Resolution	1920 x 1080
Pixel Pitch	0.199mm
Color	10bit
Viewing Angle	178(H), 178(V)
Luminance of White	300 cd/m ²
Contrast	800 : 1
Back Light	LED
Display Area [H x V]	381.9 x 214.8 mm
Input	
2 x BNC	HD/SD-SDI, 3G/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
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
1x USB	For firmware update
Power Requirements	AC(100-230V, 50/60Hz)
Power Consumption	TBD
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	• Rack Mount Kit / Handle / WALL Bracket / Carrying Case

* Specifications are subject to change without prior notice.

Professional
BXM Series

BXM-183L3G

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



Features

- 12bit Signal Processor
- USB Memory Update
- Closed Caption (CEA-608/708)
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- Pixel-to-Pixel View
- Freeze Frame
- Remote Control via GPI(RJ-45) Port
- R/G/B/W Internal Patterns Display
- I/P Conversion for Motion Response
- Update/Control via RS-422 or Ethernet
- Focus Assistance
- Waveform/Vector Scope
- Exposure Range Check
- Various Markers
- Zero/Under/Over Scan
- Blending, PaP, PiP
- 3 Color TALLY Lamp
- Color Calibration
- Copying the preset data to another monitor by USB memory (Menu setting etc.)
- 3G-SDI (Level A/B)
- False Color
- Time Code
- UMD/IMD Mode
- H/V Delay
- Fast Motion Mode
- Rack & VESA Mount (Option)
- Gen-lock(video synchronization)
- Blue/Mono

Main Body Dimensions

- Main Body
438.4 x 306.9 x 60.0(mm)
17.3 x 12.1 x 2.3(inch)
- With stand
473.4 x 326.3 x 140(mm)
18.6 x 12.8 x 5.5(inch)
- Weight
6kg / 13.2lbs.



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
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
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	DC 12V/24V, AC(100-230V, 50/60Hz)
Power Consumption	41W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Sun Hood • V-Mount • Anton Bauer Mount • Rack Mount Kit • Acrylic Protector

* Specifications are subject to change without prior notice.

Professional BXM Series BXM-243L3G

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

- 12bit Signal Processor
- USB Memory Update
- Closed Caption (CEA-608/708)
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- Pixel-to-Pixel View
- Freeze Frame
- Remote Control via GPI(RJ-45) Port
- R/G/B/W Internal Patterns Display
- I/P Conversion for Motion Response
- Update/Control via RS-422 or Ethernet
- Focus Assistance
- Waveform/Vector Scope
- Exposure Range Check
- Various Markers
- Zero/Under/Over Scan
- Blending, PaP, PiP
- 3 Color TALLY Lamp
- Color Calibration
- Copying the preset data to another monitor by USB memory (Menu setting etc.)
- 3G-SDI (Level A/B)
- False Color
- Time Code
- UMD/IMD Mode
- H/V Delay
- Fast Motion Mode
- Rack & VESA Mount (Option)
- Gen-lock(video synchronization)
- Blue/Mono

Main Body Dimensions

- Main Body
554.2 x 405.5 x 62.5(mm)
21.8 x 16.0 x 2.5(inch)
- With stand
590.4 x 422 x 160(mm)
23.2 x 16.6 x 6.3(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.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
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	56W
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.

Professional
BXM Series

BXM-243T3G

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

- 12bit Signal Processor
- USB Memory Update
- Closed Caption (CEA-608/708)
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- Pixel-to-Pixel View
- Freeze Frame
- Remote Control via GPI(RJ-45) Port
- R/G/B/W Internal Patterns Display
- I/P Conversion for Motion Response
- Copying the preset data to another monitor by USB memory (Menu setting etc.)
- Color Space Selectable by 3D LUT
- Focus Assistance
- Waveform/Vector Scope
- Exposure Range Check
- Various Markers
- Zero/Under/Over Scan
- Blending, PaP, PiP
- 3 Color TALLY Lamp
- Color Calibration
- Update/Control via RS-422 or Ethernet
- Gamma Selection(1.0~3.0)
- False Color
- Time Code
- UMD/IMD Mode
- H/V Delay
- Fast Motion Mode
- Rack & VESA Mount (Option)
- Gen-lock(video synchronization)
- Blue/Mono
- 3G-SDI (Level A/B)

Main Body Dimensions

- Main Body
552.0 x 408.0 x 90.6(mm)
21.7 x 16.0 x 3.5(inch)
- With stand
590.4 x 423.5 x 160(mm)
23.2 x 16.8 x 6.3(inch)
- Weight
11kg / 24.3lbs.



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(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 BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p
Output	
2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(Y/PbPr/RGB)
1 x BNC	HDMI-to-SDI Conversion out
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	
10 Ethernet Update, GPI-7 Port, RJ-45P Jack	
2 x GPI0	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	109W
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.

Professional
BXM Series

BXM-323L3G

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
- USB Memory Update
- Closed Caption (CEA-608/708)
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- Pixel-to-Pixel View
- Freeze Frame
- Remote Control via GPI(RJ-45) Port
- R/G/B/W Internal Patterns Display
- I/P Conversion for Motion Response
- Update/Control via RS-422 or Ethernet
- Focus Assistance
- Waveform/Vector Scope
- Exposure Range Check
- Various Markers
- Zero/Under/Over Scan
- Blending, PaP, PiP
- 3 Color TALLY Lamp
- Color Calibration
- Copying the preset data to another monitor by USB memory (Menu setting etc.)
- 3G-SDI (Level A/B)
- False Color
- Time Code
- UMD/IMD Mode
- H/V Delay
- Fast Motion Mode
- Rack & VESA Mount (Option)
- Gen-lock(video synchronization)
- Blue/Mono

Main Body Dimensions

- Main Body
750.8 x 468.0 x 79.3(mm)
29.5 x 18.4 x 3.1(inch)
- With stand
590.4 x 422 x 160(mm)
23.2 x 16.6 x 6.3(inch)
- Weight
28kg / 61.73 lbs.



LCD	
Size	31.5"
Resolution	1920 x 1080
Pixel Pitch	0.36375 mm
Color	8bit
Viewing Angle(deg)	178(H), 178(V)
Luminance of White	350 cd/m ²
Contrast	3000 : 1
Back Light	LED
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
1 x VGA	DVI to VGA Jack (with gender)
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)
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	61.5W
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Stand

* Specifications are subject to change without prior notice.

new

Grade 1S (OLED) TXM-243T3G

Featuring 24" Full HD Resolution OLED backlit LCD panel with State-of-the-art AM-OLED Technology, the innovative TXM-243T3G supports 3D LUT, 3rd Party 3D LUT formats for import and export, adjustable Gamma (1.0~3.0).



Features

- 12-bit Signal Processor
- Vector scope (SDI/HDMI/DVI/YPbPr)
- Closed Caption (CEA-608/708)
- Fast Motion Mode
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- Remote Control via GPI(RJ-45) Port
- Rack & VESA Mount (Option)
- Focus Assistance
- 3 Color TALLY Lamp
- 3D-LUT for Accurate Color Reproduction (EBU, SMPTE-C, ITU-R BT.709, Native)
- Supporting 3G-SDI (Level A/B)
- Gamma Selection (2.2, CRT, 2.4)
- Time Code Display (ATC, HD-SDI/DVITC, SD-SDI, Except 3G Level B)
- UMD/IMD Mode Display
- R,G,B, and White Internal Patterns Display
- Zero/Under/Over Scan
- Firmware Update via USB Flash Memory
- Gen-lock(video synchronization)
- I/P Conversion for Motion Response
- Waveform (SDI/HDMI/DVI/YPbPr, supporting parade mode)
- Color temperature(D65, D93)
- False Color (SDI Only)
- AFD & V-CHIP display (SDI Only)
- H/VDelay, Blue/Mono, Pixel to Pixel
- Freeze Frame
- Blending, PaP, PiP
- De-embedded 8~16ch Audio Level Meter
- Monitor Control/Update via Ethernet/RS-422
- Copying the preset data to another monitor by USB memory (menu settings etc)

Main Body Dimensions

- Main Body
578.4 x 408.1 x 79.3(mm)
22.7 x 16.0 x 3.12(inch)
- With stand
TBD
- Weight
TBD

OLED	
Size	24.5"
Resolution	1920 x 1080
Pixel Pitch	0.283mm
Color	10bit
Viewing Angle[deg]	178(H), 178(V)
Luminance of White	400 cd/m ²
Contrast	5000 : 1
Display Area (H x V)	543.4 x 305.6mm
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
1 x VGA	DVI-I to VGA Jack (with gender)
Output	
2 x BNC	HD/SD-SDI, 3G/1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x DVI	HDMI, (with HDCP v.1.1), 19pin Female
1 x HDMI	DVI-I, 24pin, Female
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p

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
1x USB	For firmware update
Power Requirements	AC(100-230V, 50/60Hz)
Power Consumption	TBD
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 / WALL Bracket / Handle / Carrying Case

* Specifications are subject to change without prior notice.

Super Bright
BSM Series

BEM-072H

BEM-072H is a cost-effective high bright 7" on-camera monitor that accepts SD SDI through 3G SDI. It provides clear view in sunlight by the 1100cd/m² screen. Additionally, a DV battery or V-Mount is attachable on the back.

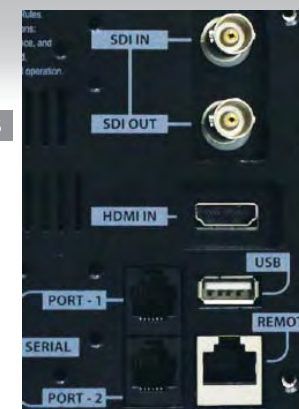


Features

- 10-bit Signal Processor
- Color Calibration
- Waveform/Vector scope (SDI Only)
- False Color (SDI Only)
- Firmware Update via USB Flash Memory
- Various Markers
- Closed Caption
- De-embedded 8~16ch Audio Level Meter
- Copying the preset data to another monitor by USB memory(menu settings etc.)
- Supporting 3G-SDI (Level A/B)
- PiP, PaP(Between SDI and HDMI Input)
- Supporting parade mode
- Battery Level Indicator
- V-CHIP display (SDI Only)
- Zero/Under/Over Scan
- Time Code Display (SDI Only)
- R,G,B, and White Internal Patterns Display for Color Test (SDI Only)
- Focus Assistance (SDI Only)
- Monitor Control/Update via RS-422
- Exposure Range Check(SDI Only)
- UMD Mode Display
- 3 Color TALLY Lamp
- Remote Control via GPI(RJ-45) Port
- 2CH Audio Level Meter(HDMI)

Main Body Dimensions

- Main Body
205.0 x 112.0 x 32.1(mm)
5.2 x 2.8 x 0.8 (inch)
- With stand
255.8 x 159.5 x 77.8(mm)
10.1 x 6.3 x 3.1(inch)
- Weight
0.8kg / 1.7 lbs.



LCD	
Size	7.0"
Resolution	1024 x 600
Pixel Pitch	0.15 x 0.15 mm
Color	8bit (16.7M)
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	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
1 x HDMI	HDMI1.3 (with HDCP v.1.3), 19pin Female

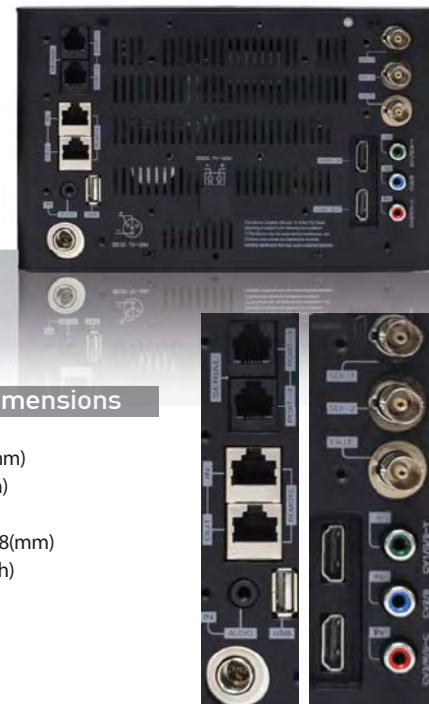
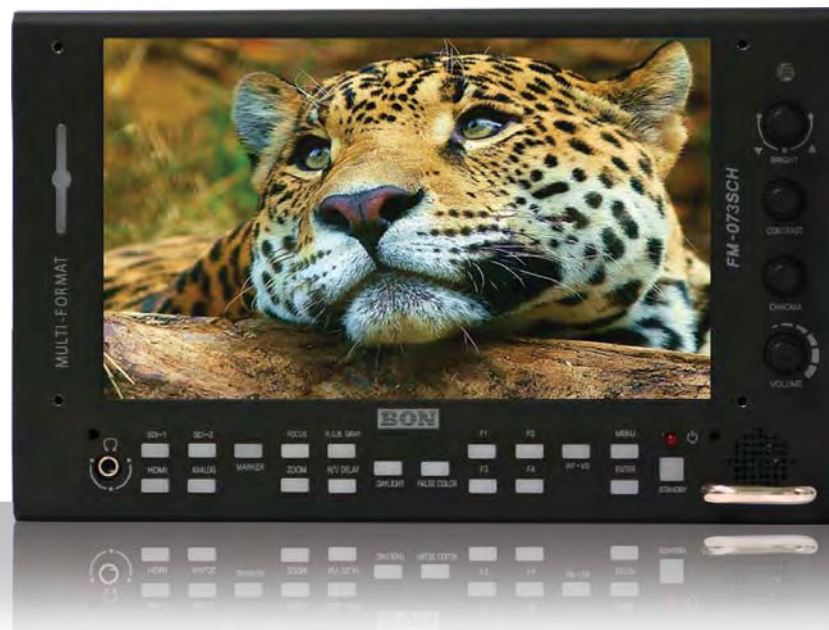
Output	
1 x BNC	SDI Loop Through
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4
	Level B MS1, MS2, MS3, MS4
SMPTE 274M/292M	1080i (60/59.94/50)
	1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
Audio In / Out	
1 x Phone Jack Out	H/P Out(Stereo)

General	
1 x RJ-45	GPI-7 Port for control
2 x RJ-11	RS-422, RJ-11P Jack
1 x USB	For firmware update
Power Requirements	DC 7V/24V or AC Adaptor 100V~230V 50Hz/60Hz
Power Consumption	15W
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • AC Adaptor • Cleaner
Option	• 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.

Super Bright BSM Series FM-073SCH

FM-073SCH is an 1100 cd/m² super bright on-camera monitor which is quite viewable at any angle in sunlight. It comes with auto flip, picture-in-picture, H/V level meters, various zoom modes for DSLR, still image overlay, and embedded 1:1 SDI-HDMI, HDMI-SDI converters.



Features

- True 1:1 HDMI-to-SDI Converter
- Color-Calibrated Screen
- Battery Level Indicator
- PIP, PAP
- False Color
- Code (except 3G Level B)
- UMD/IMD Mode
- Pixel-to-Pixel View
- Various Markers
- R/G/B/W Internal Patterns
- H/V Level Meters & Auto Flip
- Supporting 3G-SDI(Level A/B)
- Auto Luminance Control
- Waveform/Vector scope
- Compatible to various DSLR Output
- 8~16ch Audio Level Meters
- AFD & V-CHIP(SDI Only)
- Zero/Under/Over Scan
- USB Memory Update
- Auto Color Temperature Adjustment
- 10-bit Signal Processor
- Still Image Overlay
- Focus Assistance
- Closed Caption (CEA-608/708)
- Time
- Exposure Range Check
- H/V Delay
- Tally LED Control Output
- Firmware Update with USB Memory

Main Body Dimensions

- Main Body
210 x 130 x 33.1(mm)
8.3 x 5.1 x 1.3 (inch)
- With stand
255.8 x 159.5 x 77.8(mm)
10.1 x 6.3 x 3.1(inch)
- Weight
1.3kg / 2.8 lbs.

LCD	
Size	7.0"
Resolution	1024 x 600
Pixel Pitch	0.15 x 0.15 mm
Color	8bit
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, 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-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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
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)

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	• Power Cable • Manual(CD) • AC Adaptor • Cleaner
Option	• 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.

Super Bright BSM Series **BSM-153H**

BSM-153H is a 15" super bright monitor supporting 3G SDI. 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
- USB Memory Update
- Update/Control via RS-422 or Ethernet
- R/G/B and White Internal Patterns Display
- PiP/PaP (Between SDI & HDMI Input)
- 3G-SDI (Level A/B)
- Time Code
- UMD/IMD Mode
- Supporting 3G-SDI (Level A/B)
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) Port
- 3 Mount Halls on Top
- Copying the preset data to another monitor by USB
- Waveform/Vecor Scope
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- 2 Hand Grips on Top and Left side
- 2ch HD/SD-SDI Input & Output

Main Body Dimensions

- Main Body
332.5 x 285 x 55(mm)
13.1 x 11.2 x 2.2(inch)
- With stand
367.5 x 297.5 x 125(mm)
14.5 x 11.7 x 4.9(inch)
- Weight
5kg / 11lbs.



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, 3G, 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
YCbCr-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
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 296M	1280*720p/60, 59.94, 50
SMPTE 260M	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, VGA	480i/p ~ 1920 * 1080i/p
DVI Signal	480i/p ~ 1920 * 1080i/p
HDMI Digital	~ 1920 * 1200i/p(de-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	41'W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Tripod Ball Head • Anton Bauer Mount • V-Mount • Sun Hood • Acrylic Protector • Carrying Case

* Specifications are subject to change without prior notice.

Super Bright BSM Series BSM-183H

BSM-183H is a 18.5" super bright monitor for outdoor shooting. It has lighter weight and smaller volume than general 17" broadcast monitor. Alternatively, user can choose BSM-213H for larger full HD display (21.5").



Features

- 10bit Signal Processor
- Focus Assistance
- Closed Caption (CEA-608/708)
- Exposure Range Check
- Various Markers
- 3 Color TALLY Lamp
- Update/Control via RS-422 or Ethernet
- R/G/B and White Internal Patterns Display
- 3G-SDI (Level A/B)
- Time Code Display
- UMD/IMD Mode
- Supporting 3G-SDI (Level A/B)
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) Port
- USB Memory Update
- Copying the preset data to another monitor by USB
- Waveform/Vecor Scope
- False Color
- 8~16ch Audio Level Meter
- AFD & V-CHIP(SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- 2 Hand Grips on Top and Left side
- 2ch HD/SD-SDI Input & Output

LCD	
Size	18.5"
Resolution	1368 x 768
Pixel Pitch	0.3 mm
Color	16.7M(6bit + HI-FRC) Colors
Viewing Angle(deg)	170(H), 160(V)
Luminance of White	1200 cd/m ²
Contrast	1000 : 1
Back Light	LED
Display Area (H x V)	409.8 x 230.4 mm
Input	
2 x BNC	HD/SD-SDI, 3G, 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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080i, 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 296M	1280*720p/60, 59.94, 50
SMPTE 260M	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, VGA	480i/p ~ 1920 * 1080i/p
DVI Signal	480i/p ~ 1920 * 1080i/P
HDMI Digital	~ 1920 * 1200i/p(de-embedded Audio 2ch)

Main Body Dimensions

- Main Body
438.4 x 310.8 x 65.9(mm)
17.2 x 12.2 x 2.5(inch)
- With stand
473.4 x 326.3 x 140(mm)
18.6 x 12.8 x 5.5(inch)
- Weight
6kg / 12.2 lbs.



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	56W
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • Cleaner
Option	• Wall Bracket • Anton Bauer Mount • V-Mount • Sun Hood • Acrylic Protector • Carrying Case • Rack Mount Kit

* Specifications are subject to change without prior notice.

Super Bright BSM Series BSM-213H

BSM-213H is a 21.5" super bright monitor for outdoor shooting and studio monitoring. It has lighter weight and smaller volume than general 21" broadcast monitor. Alternatively, user can choose BSM-183H for smaller 1368 x 768 display (18.5").



Features

- 10bit Signal Processor
- Vector scope (SDI/HDMI/DVI/YPbPr)
- Closed Caption (CEA-608/708, SDI Only) Display
- Exposure Range Check
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) port
- Supporting 3G-SDI (Level A/B)
- Color Calibration for optimal luminance, gamma, color temperature
- Firmware Update via USB Flash Memory
- Focus Assistance
- Time Code Display (ATC_HD-SDI, DVITC_SD-SDI)
- UMD/IMD Mode Display
- R,G,B, and White Internal Patterns Display
- Freeze Frame
- PIP, PAP(Between analog and digital input)
- 2ch HD/SD-SDI Input & Output
- Copying the preset data to another monitor by USB memory(menu settings etc.)
- Waveform (SDI/HDMI/DVI/YPbPr, supporting parade mode)
- False Color (SDI Only)
- De-embedded 8~16ch Audio Level Meter
- AFD & V-CHIP display (SDI Only)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Rack & VESA Mount (Option)
- 3 Color Tally Lamp
- Monitor Control/Update via Ethernet/RS-422

Main Body Dimensions

- Main Body
503.6 x 348.0 x 65.2(mm)
19.8 x 13.7 x 2.5(inch)
- Weight
6kg / 12.2 lbs.



LCD	
Size	21.5"
Resolution	1920 x 1080
Pixel Pitch	0.248.25 mm
Color	8bit, 16.7M
Viewing Angle	178(H), 178(V)
Luminance of White	1200 cd/m ²
Contrast	3000 : 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
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	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4
2K, SMPTE 428M	Level B MS1, MS2, MS3, MS4
SMPTE 274M / 292M	2048 x 1080, 24p/psf, 23.98p/psf
	920 x 1080i (60, 59.94, 50)
	1920 x 1080p (30, 29.97, 25, 24, 24.5F, 23.98, 23.98sF)
SMPTE 296M	1280 x 720p/60, 59.94, 50
SMPTE 260M	1920 x 1035i/60, 59.94
SMPTE 125M/259M	720 x 480i/60, 59.94, 720 x 576i/50
ITU R-BT.656	576i(50)
Composite	720 x 480i(NTSC)/576i(PAL)

Component, VGA	480i/p ~ 1920 x 1080i/p
DVI Signal	480i/p ~ 1920 x 1080i/p
HDMI Digital	~ 1920 x 1200i/p(de-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, AC100 ~ 230V(50/60Hz)
Power Consumption	90W
Operating Temperature	0°C ~ 40°C(32°F ~ 104°F)
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable, DVI to VGA Gender, Manual, Cleaner
Option	• V-Mount / Antonbauer / SunHood / Protect • WALL Bracket / Carrying Case / Rack Mount

* Specifications are subject to change without prior notice.

Recordable Series

RM-072S

RM-072S is an H.264 recordable monitor that accepts SDI and HDMI. Users can record the input signal on the screen and play it back instantly for review on an SD card. Additionally, users may choose RM-072 for HDMI only.



Features

- HDMI-to-SDI Loop-through Converter
- Various Recordable Input
- Battery Level Indicator
- Waveform/Vectric scope
- Time Code(Except 3G Level B)
- Various Markers
- AFD & V-CHIP(SDI Only)
- Various Play Mode
- H/V Delay
- Auto Recording with GPIO
- Support for PC-playable file format(mov)
- Focus Assistance
- Compatible to various DSLR Output
- 8~16ch Audio Level Meter
- Exposure Range Check
- Zero/Under/Over Scan, Blue/Mono
- 1280*720/30p, 25p HD Recording with H.264 Video Codec
- 2ch Audio Recording with MPEG-2 AAC Codec
- Supporting 3G-SDI (Level A/B)
- Thumbnail File List
- False Color
- Closed Caption
- UMD/IMD Mode
- R/G/B/W Internal Patterns
- Pixel-to-Pixel View

Main Body Dimensions

- Main Body
210.0 x 130.0 x 33.1 (mm)
5.3 x 3.3 x 0.8 (inch)
- Weight
870g / 1.92lbs.

LCD	
Size	7.0"
Resolution	1024 x 600
Pixel Pitch	0.15 x 0.15 mm
Color	8bit
Viewing Angle	160(H), 160(V)
Luminance of White	400 cd/m ²
Contrast	900 : 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 HDMI	HDMI, (with HDCP v.1.1), 19pin Female
Output	
1 x BNC	Selectable SDI-1 Loop-through or HDMI conversion Out

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)
Recording & Play	
Recordable Input	SDI, HDMI
Codec	H.264 (Video), AAC(Audio)
Video Bit Rate	4Mbps
External Memory	Max 32GB (Class 4 or higher SDHC Card)
Max Record Size	2GB per file (About One Hour)
Recording Format	1280x720 / 30p, 25p
File Format	mov
Play Mode	Normal, 2x/8x/32x FF/REW, 1/2x/1/8x/1/32x Slow, 2x/8x/32x Frame FF/REW

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	
1x GPIO	GPI-7 Port, RJ-45P Jack
1x Serial	RS-422, RJ-11P Jack
Power Requirements	DC (7V~24V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	24W
Operating Temperature	-10°C ~ 40°C
Operating Humidity	20% ~ 80% RH
Accessories	• Power Cable • Manual(CD) • AC Adaptor • Cleaner
Option	• 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.



Recordable Series BXM-183R3G

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)
- With stand
473.4 x 326.3 x 140(mm)
18.6 x 12.8 x 5.5(inch)
- Weight
6kg / 13.2 lbs.



LCD	
Size	18.5"
Resolution	1366 x 768
Pixel Pitch	0.1 x 0.3 mm
Color	16.7M (8bit) Color
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
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 BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p

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

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	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	• Sun Hood / V-Mount / Anton Bauer Mount • Rack Mount Kit / Acrylic Protector

* Specifications are subject to change without prior notice.

Quad Series BQM-170LS

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.



Main Body Dimensions

- Main Body
420.5 x 310 x 108.9(mm)
16.5 x 12.2 x 4.3(inch)
- With stand
455.4 x 329.8 x 140(mm)
17.9 x 13 x 5.5(inch)

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 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.

Features

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

LCD	
Size	17.3"
Resolution	1920 x 1080
Pixel Pitch	0.199 x 0.199mm
Color	6bit + Hi-FRC
Viewing Angle	160(H), 140(V)
Luminance of White	400 cd/m ²
Contrast	600 : 1
Back Light	LED
Display Area (H x V)	381.9 x 214.8 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	
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



Quad Series BQM-240LS

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

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

LCD	
Size	24"
Resolution	1920 x 1200
Pixel Pitch	0.270mm
Color	16.7M(8bit)
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	
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
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 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

Main Body Dimensions

- Main Body
553.8 x 408 x 113.5(mm)
21.8 x 16.1 x 4.5(inch)
- With stand
584.2 x 430.5 x 160(mm)
23 x 16.9 x 6.3(inch)
- Weight
14.5kg / 31.96lbs.



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.

ACCESSORIES GUIDE FOR CHOICE

NAME	PICTURE					Remark
DV Battery Mount	 5"	 7", Converter, Wireless	 7", Wireless			Sony: NP-F570/770/970 BP-U30/60 Canon: LP-E6 Panasonic: CGA-D54s
V-Mount	 Farseeing 7"	 Farseeing 9~24"	 IDX 7"	 IDX 9~24"		
A-B Mount	 7"	 9~24"				
SunHood	 5"	 7"	 9"	 15", 17.3", 18.5"		
Acrylic Protector	 5"	 7"	 9"	 15"	 17.3", 18.5", 21.5", 24"	
Camera Ball Mount	 5"	 7"				
D-Tap Power Cable	 5"	 7"	 9~24"			
Rack Mount Kit	 7"	 9"	 17"	 18.5"	 21.5~24"	
Pouch	 5"	 7"				
Carrying Case	 7", Wireless	 15~24"				
Directional Antenna	 Wireless					
Stand	 7"	 18.5~24" (BEM/Tilting)	 32"	 46"		

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	GPIO-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	GPIO-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) •Anton Bauer Mount •Stand •20dBi Directional Antenna

* Specifications are subject to change without prior notice.

Wireless HD BW-100SV



BW-100STV

(Transmitter)



BW-100SRV

(Receiver)

Wireless HD BW-100S



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)
- 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
- Distance up to 150m (with normal antenna)
- Low Latency(20ms)
- Time Code
- Low Power Consumption(10W)
- Tally
- Signal protection by 802.11i
- Adoption of MIMO

Main Body Dimensions

BW-100SV

- Main Body
101.9 x 157 x 43.7(mm)
4 x 6.2 x 1.7(inch)
- Weight
1.02kg / 2.25 lbs.

BW-100S

- Main Body
101.9 x 157 x 43.7(mm)
4 x 6.2 x 1.7(inch)
- Weight
870g / 1.92 lbs.

Wireless HD BW-100M



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)
- Up to 50Mbps encoding bit rate
- Low Power Consumption(10W)
- bi-directional data link at 11Kbps
- Signal protection by 802. 11i
- Adoption of MIMO
- Distance up to 150m (with normal antenna)
- 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
470g / 1.03 lbs.

BW-100MT (Transmitter)

Input	
1 x HDMI	HDMI, (with HDCP v.1.1), 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.

All-in-One AV Switcher BT7

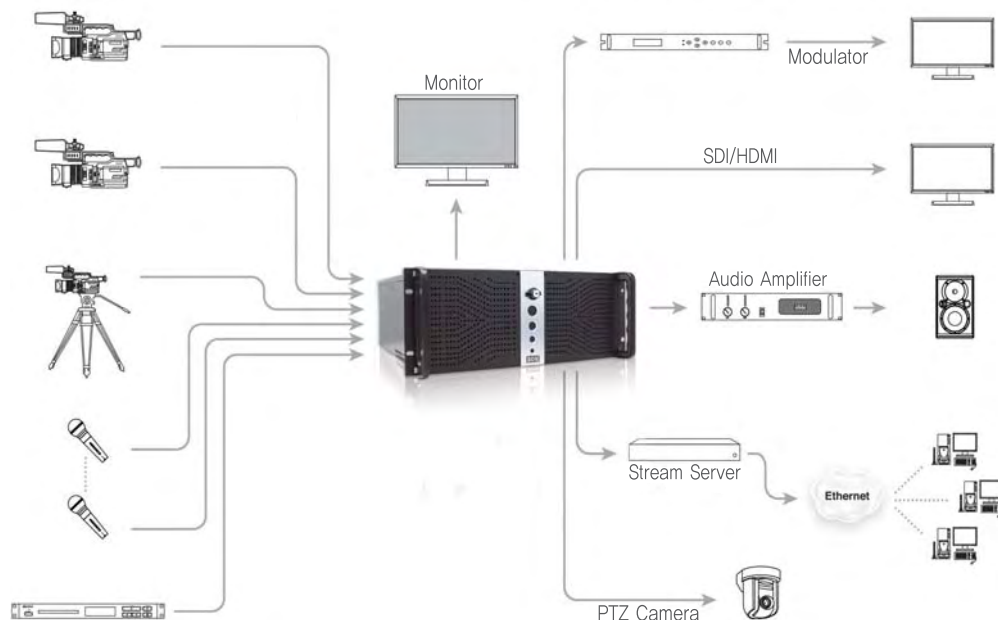
BT7 is an A/V switcher & mixer offering various features including transition effects and HD recording/playback feature. It also provides schedule playback, image display and PPT display



Features

- A/V Real Time Broadcasting
- A/V Mix & Switcher
- Character Generator(CG)
- Internet Streaming
- PPT Mix
- Picture in Picture
- Live Recording & Playback
- Audio Level Meters

System Diagram



BT7 (All-in-One AV Switcher)

Input	
Video Input	1~3*HDMI (1~4ch, SDI :Option) 1~3*CVBS/Component
Audio Input	1~3*Embedded Audio Input 1*Line Stereo Audio Input
Output	
Video Output	1*HDMI Program Output 1*DVI PC Graphic Output
Audio Output	Embedded HDMI/SDI(Optional) 1*L/R Stereo Program Outgtput
Supported Format	Input : 1080p, 1080i, 720p, 480p, 480i Output : 1920*1080i, 720p, 480p(DVI Only)
PC System	
CPU Processor	Intel Core, i7, 3.6GHz, Sandy Bridge
Main Board	Intel Chip set
Memory	RAM DDR3, 8GB or Higher
VGA Graphic	GF GTX560 or Higher
HDD	1*STAT3 500GB, 1*SATA 1TB
ODD	DVD-Multi
Keyboard	USB Keyboard
Mouse	Mouse, Optical
Power Supply	600W or Higher, PFC
OS	Windows 7
Case	Rack Type, ATX Standard

* Specifications are subject to change without prior notice.

Routing Switcher_Convertible

BRS-HD8866SM / BRS-HD8822SM



BRS-HD8866SM has 8 SDI in/out and 6 HDMI in/out ports, and provides cross conversion between SDI and HDMI without signal converters, and re-clocking of SDI signals. The very thin 1RU body is easily rack-mountable and its keypad is also detachable from the main body.

Features

- SDI to HDMI, HDMI to SDI Cross Converting
- Jitter-Free SDI Quality
- Monitoring port for each input
- Firmware Update via USB Memory
- LCD Display
- 19" 1U Rack Mountable
- Supporting 3G-SDI (Level A/B)
- Reclocking and equalization on each input
- System Control/Update via Ethernet/RS-422
- Indicating No Signal
- Removable remote control unit

Main Body Dimensions

- Main Body
440.0 x 327.5 x 44.0 (mm) / 17.3 x 12.9 x 1.7(inch)
- With Rack
480.0 x 327.5 x 44.0 (mm) / 18.9 x 12.9 x 1.7(inch)
- Weight
5kg / 11 lbs.

BRS-HD8866SM

Input	
8 x BNC	HD/SD-SDI, 3G/1.485G/270M
6 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
Output	
8 x BNC	HD/SD-SDI, 3G/1.485G/270M, Selected SDI Output or HDMI to SDI Convert Output
1 x BNC	HD/SD-SDI, 3G/1.485G/270M, Selected monitoring output
6 x HDMI	HDMI (with HDCP v.1.1), 19pin Female, Selected HDMI Output or SDI to HDMI Convert Output
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
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 296M	1280*720p/60,59.94,50
SMPTE 260M	1920*1035i/60,59.94
SMPTE 125M/259M	720*480i/60,59.94, 720*576i/50
HDMI Digital	~ 1920 * 1200i/p(de-embedded Audio 2ch)
General	
1 x Rotary	for setting the machine address of the unit, 16 kinds of address
1 x Ethernet	Control/Update, 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, 50Hz/60Hz)
Power Consumption	43W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	·Power Cable ·Manual ·Cover Front
Option	TBD

BRS-HD8822SM

Input	
8 x BNC	HD/SD-SDI, 3G/1.485G/270M
2 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
Output	
8 x BNC	HD/SD-SDI, 3G/1.485G/270M, Selected SDI Output or HDMI to SDI Convert Output
1 x BNC	HD/SD-SDI, 3G/1.485G/270M, Selected monitoring output
2 x HDMI	HDMI (with HDCP v.1.1), 19pin Female, Selected HDMI Output or SDI to HDMI Convert Output

* Specifications are subject to change without prior notice.

*3G Full HD Video Signal Comparison

	Jitter	Eye Amplitude	Eye Rise Time	Eye Fall Time	Eye Waveform
BON	0.09	810.57	113.14	101.71	Medium Smooth
Competitor	0.18	812.29	153.86	178.57	Low Smooth
Description	2x Clear	Nearer Best(800)	Faster	Faster	Smoother

*1.5G HD Video Signal Comparison

	Jitter	Eye Amplitude	Eye Rise Time	Eye Fall Time	Eye Waveform
BON	0.04	813.43	112.43	93.86	Medium Smooth
Competitor	0.04	826.43	154.71	157.29	Low Smooth
Description	Same	Nearer Best(800)	Faster	Faster	Smoother

BRS-HD808S

Input	
8 x BNC	HD/SD-SDI, 3G/1.485G/270M
Output	
8 x BNC	HD/SD-SDI, 3G/1.485G/270M, Selected SDI Output or HDMI to SDI Convert Output
1 x BNC	HD/SD-SDI, 3G/1.485G/270M, Selected monitoring output
Input Signal Format	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4
	Level B MS1, MS2, MS3, MS4
2K, SMPTE 428M	2048*1080,24p/psf,23.98p/psf
SMPTE 274M/292M	1920*1080i (60, 59.94, 50)
SMPTE 296M	1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 260M	1280*720p/60,59.94,50
SMPTE 125M/259M	1920*1035i/60,59.94
	720*480i/60,59.94, 720*576i/50
General	
1 x Rotary	for setting the machine address of the unit, 16 kinds of address
1 x Ethernet	Control/Update, 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, 50Hz/60Hz)
Power Consumption	17.5W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable •Manual
Option	TBD

* Specifications are subject to change without prior notice.

*3G Full HD Video Signal Comparison

	Jitter	Eye Amplitude	Eye Rise Time	Eye Fall Time	Eye Waveform
BON	0.09	810.57	113.14	101.71	Medium Smooth
Competitor	0.18	812.29	153.86	178.57	Low Smooth
Description	2x Clear	Nearer Best(800)	Faster	Faster	Smoother

*1.5G HD Video Signal Comparison

	Jitter	Eye Amplitude	Eye Rise Time	Eye Fall Time	Eye Waveform
BON	0.04	813.43	112.43	93.86	Medium Smooth
Competitor	0.04	826.43	154.71	157.29	Low Smooth
Description	Same	Nearer Best(800)	Faster	Faster	Smoother

Routing Switcher_SD1 BRS-HD808S



BRS-HD808S has 8 SDI in/out ports, and provides re-clocking of SDI signals. The very thin 1RU body is easily rack-mountable and its keypad is also detachable from the main body.
*Video Signal Quality is very excellent.

Features

- Super clean SDI quality
- Monitoring port for each input
- Firmware Update via USB Memory
- LCD Display
- 19" 1U Rack Mountable
- Supporting 3G-SDI (Level A/B)
- Jitter-Free SDI Quality
- Reclocking and equalization on each input
- System Control/Update via Ethernet/RS-422
- Indicating No Signal

Main Body Dimensions

- Main Body
440.0 x 326.5 x 44.0 (mm) / 17.3 x 12.8 x 1.7(inch)
- With Rack
480.0 x 326.5 x 44.0 (mm) / 18.9 x 12.8 x 1.7(inch)
- Weight
4kg / 8.8 lbs.

Routing Switcher-HDMI

BRS-HD808M / BRS-HD404M



BRS-HD808M has 8 HDMI in/out ports. The very thin 1RU body is easily rack-mountable.

*Signal compatibility is very superior.

Features

- Flawless Picture Reproduction
- Firmware Update via USB Memory
- LCD Display
- 19" 1U Rack Mountable
- Monitoring port for each input
- System Control/Update via Ethernet/RS-422
- Indicating No Signal

Main Body Dimensions

- Main Body
440.0 x 326.5 x 44.0 (mm) / 17.3 x 12.8 x 1.7(inch)
- With Rack
480.0 x 326.5 x 44.0 (mm) / 18.9 x 12.8 x 1.7(inch)
- Weight
4kg / 8.8 lbs.

BRS-HD808M

Input	
8 x HDMI	HDMI 1.4a (with HDCP v1.3), 19pin Female
Output	
8 x HDMI	HDMI 1.4a (with HDCP v1.3), 19pin Female
Input Signal Format	
HDMI Digital	~ 1920 * 1200i/p(de-embedded Audio 2ch)
General	
1 x Rotary	for setting the machine address of the unit, 16 kinds of address
1 x Ethernet	Control/Update, 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, 50Hz/60Hz)
Power Consumption	13W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	·Power Cable ·Manual
Option	TBD

BRS-HD404M

Input	
4 x HDMI	HDMI (with HDCP v.1.4), 19pin Female
Output	
4 x HDMI	HDMI (with HDCP v.1.4), 19pin Female
Input Signal Format	
HDMI Digital	~ 1920 * 1200i/p(de-embedded Audio 2ch)

* Specifications are subject to change without prior notice.

Monitoring Converter BC-100SM / BC-100MS

BC-100SM (SDI to HDMI)

Input	
1 x BNC	HD/SD-SDI, 3G/1.485G/270M
Output	
1 x BNC	SDI Loop-Through
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
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, 24psf, 23.98psf)
	1280x720 (60p, 59.94p, 50p)
SD	NTSC, PAL
General	
1 x mini_USB	F/W Update
2 x LED	Power/Battery, Signal Lock
2 x Rotary Switch	Function, mode
1 x Tact Switch	Select
1 x Audio Out	External Audio Output
Power Requirements	DC (6V~24V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	6W
Operating Temperature	-10°C ~ 40°C (14°F ~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable •Manual(CD) •AC Adaptor •USB Cable
Option	•D-Tap Power Cable •Pouch & Bag •DV Battery Mount •DV Battery •Tripod Support •1RU Rack Mount Kit(x3)

* Specifications are subject to change without prior notice.



BC-100MS (HDMI to SDI)

Input	
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
Output	
2 x BNC	SDI Out X 2
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, 24psf, 23.98psf)
	1280x720 (60p, 59.94p, 50p)
SD	NTSC, PAL
General	
1 x mini_USB	F/W Update
2 x LED	Power/Battery, Signal Lock
2 x Rotary Switch	Function, mode
1 x Tact Switch	Select
1 x Audio In	External Audio Input
Power Requirements	DC (6V~24V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	6W
Operating Temperature	-10°C ~ 40°C (14°F ~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	•Power Cable •Manual(CD) •AC Adaptor •USB Cable
Option	•D-Tap Power Cable •Pouch & Bag •DV Battery Mount •DV Battery •Tripod Support •1RU Rack Mount Kit(x3)

* Specifications are subject to change without prior notice.

BC-100SM is an SDI-to-HDMI converter that has waveform/vectorscope, audio level display, video/audio pattern generator, etc.

Features

- Supporting 3G-SDI (Level A/B)
- Time Code Display (LTC, VITC1, VITC2, DVITC)
- De-embedded 8~16ch Audio Level Meter(Horizontal, Vertical)
- Supporting HDMI 8CH Embedded Audio
- Automatically detects SD-SDI, HD-SDI and 3G-SDI
- Signal Status Display
- Video Internal Patterns (RP219, Color Bar 100%, 75%, White 100%)
- Audio Internal Patterns(1KHz, 2KHz, 3KHz, 4KHz)
- Closed Caption (CEA-608/708, SDI Only) Display
- SDI to HDMI Converter
- Waveform(Supporting Parade Mode)
- Vector Scope
- Supporting External Audio Output
- Low Battery Warning
- Tripod Hole
- F/W Updatable via USB Memory
- Re-Colocked SDI Out

Main Body Dimensions

- Main Body
84 x 117.2 x 34.5(mm)
3.3 x 4.6 x 1.3(inch)
- Weight
360g / 0.8 lbs.



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