



Total Solutions for Professional Broadcasting Monitors & Equipment



BON Monitors

APRIL 2015

BON DELIVERS WHAT THE PROFESSIONALS HAVE ALWAYS WANTED.

BON monitors meet every expectation you might have either in the outdoor or in the indoor settings. With BON's super bright series (5 models from 7" to 21"), you will be able to see clear and sharp picture display in direct sunlight without sun-shade hood. For studio, broadcasting or post production use, BON offers a wide range of professional monitoring applications to deliver superb picture performance and color accuracy with 24" OLED monitor (TXM-243T3G), broadcasting series and quad-split series as well.

FM-055F

Being lighter, slimmer and generating less heat, FM-055F with its 5.5" 1920x1080 LED-backlit LCD Panel has unique features of Custom Focus Assist Box, Reverse Focus Assistance, Auto Flip and H/V Level Meter. Available now.

BMQ-100

Taking 4 SDI inputs with different sources and combining them into 1 SDI or 1 HDMI output, BMQ-100 not only displays 4 different pictures on a screen but also automatically detects SD-SDI, HD-SDI and 3G-SDI. Available now.



Focus Assistance : sharpness control, wide range of focus assistance level, various color options, and more (Applied to All model)

This allows you to zoom in on a specific image during filming. You can select a full screen mode or 9 different areas on the screen. (Color selectable & Level selectable).



Full



Large



Medium



Small

Focus Assist Box : User (Applied to All model)

The size and position of Focus Assist Box can be adjusted horizontally and vertically by user.



Focus Assist Reverse (Applied to All model)

- 1) It shows original image or video unaffected by Focus Assist at specific area.
- 2) For your convenience, you can save it at Function 1, 2, or 3.



off



on

Auto Flip



Applied to model : FM-052SC / FM-055F / FM-073SC / FM-073SCH

Cross Conversion Output

SDI ↔ HDMI

Not only you can do SDI Loop out and HDMI Loop Out, you can also convert SDI to HDMI Out and HDMI to SDI OUT.



Applied to model :

FM-055F / FM-073SC / FM-073SCH

True 1:1 Conversion

Whether the input is 1080 or 720 resolution, the output will be the same resolution as the input.



Applied to model : FM-052SC / FM-055F /
FM-073SC / FM-073SCH / FM-072S

Automatic Color Alignment

BON has developed its own Color Calibration Program to help BON LCD monitors achieve amazing picture quality.

Every product is fully and thoroughly calibrated before being shipped out.



i1Display Pro



Klein K-10

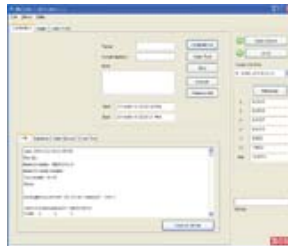
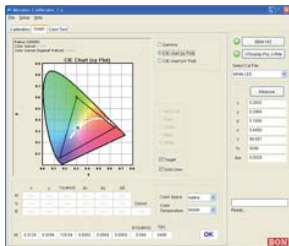


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OLED TXM-243T3G



TXM-243T3G

Featuring 24" Full HD Resolution OLED panel with State-of-the-art AM-OLED Technology, the innovative TXM-243T3G has adjustable Gamma selection(1.0~3.0).

OLED			
Size	24.5"	Viewing Angle(deg)	178(H), 178(V)
Resolution	1920 x 1080	Luminance of White	400 cd/m ²
Pixel Pitch	0.283mm	Contrast	5,000 : 1
Color	10bit	Display Area (H x V)	543.4 x 305.6mm
Input			
3G/HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		DVI-I 24pin Female
HDMI(with HDCP v.1.1)	19pin Female	DVI-I to VGA Jack(with gender)	
Output			
3G/HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		DVI-I 24pin Female
HDMI(with HDCP v.1.1)	19pin Female	External Sync Black Burst & Tri-sync 1.0Vp-p	
Analog Input			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B) PC-RGB,Sync Level
Input Signal Format			
SMPTE 425M AB	SMPTE 372M	SMPTE 274M/292M	SMPTE 296M SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI DVI
Audio In / Out			
1 x Headphone Jack In		2 x Headphone Jack Out	2 x Speaker Out

* Optional accessories available

- 12-bit Signal Processor
- Blending, PaP, PiP
- Focus Assistance
- Waveform/Vector scope
- Closed Caption (CEA-608/708)
- Gamma Selection (1.0-3.0)
- Supporting 3G-SDI (Level A/B)
- I/P Conversion for Motion Response

- Time Code Display (ATC_HD-SDI,DVITC_SD-SDI, Except 3G Level B)
- AFD & V-CHIP display (SDI Only)
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- R/G/B and White Internal Patterns Display
- Remote Control via GPI(RJ-45) Port

BEM-072H

BEM-072H is a cost-effective 7" on-camera monitor with the luminance of 1100 cd/m². It accepts SD-SDI through 3G SDI, providing a clear view under the sunlight. A DV battery or V-Mount is attachable on the back.

LCD			
Size	7"	Luminance of White	1100 cd/m ²
Resolution	1024 x 600	Contrast	900 : 1
Pixel Pitch	0.15 x 0.15mm	Back Light	LED
Color	8bit	Display Area (H x V)	153.6 x 90.0mm
Viewing Angle	160(H), 160(V)		
Input			
3G/HD/SD-SDI	HDMI (with HDCP v.1.3), 19pin Female		
Output			
SDI Loop Through			
Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	
Audio In/Out			
1 x Headphone Jack In			
Weight			
0.8kg / 1.7lbs			

* Optional accessories available

- Supporting parade mode
- V-CHIP display (SDI Only)
- Focus Assistance (SDI Only)
- 2CH Audio Level Meter(HDMI)
- Time Code Display (SDI Only)
- Supporting 3G-SDI (Level A/B)
- Exposure Range Check(SDI Only)
- Waveform/Vector scope (SDI Only)

- Monitor Control/Update via RS-422
- Remote Control via GPI(RJ-45) Port
- PiP, PaP(Between SDI and HDMI Input)
- Firmware Update via USB Memory
- Closed Caption (CEA-608/708)
- UMD Mode Display
- Various Markers

Super Bright BEM-072H



- 3 Color TALLY Lamp
- Zero/Under/Over Scan
- False Color (SDI Only)
- 10-bit Signal Processor
- Battery Level Indicator

Field Type Super Bright FM-073SCH

Best Rated


- Supporting 3G-SDI (Level A/B)
- Firmware Update via USB Memory
- Waveform / Vector scope
- DV- Battery Level Indicator
- Horizontal/Vertical Level Meters
- Time Code(Except 3G Level B)
- Auto Color Temperature Adjustment
- Compatible to various DSLR Output
- HDMI-to-SDI & SDI-to-HDMI Converter
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- 8~16ch Audio Level Meter
- False Color
- Auto Flip
- H/V Flip

FM-073SCH

FM-073SCH is a super bright on-camera monitor with the luminance of 1100 cd/m², which allows users monitor the images at any angle in sunlight. It comes with auto flip, PiP, H/V level meters, various zoom modes for DSLR, still image overlay, embedded 1:1, SDI-HDMI, HDMI-SDI conversions and SDI Loop-Through or HDMI conversion.

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/m²		
Contrast	900 : 1		
Back Light	LED		
Display Area (H x V)	153.6 x 90.0 mm		
Input			
3G/HD/SD-SDI	HDMI(with HDCP v.1.1) 19pin Female		
Analog(YPbPr/CVBS/S-Video/RGB)			
Output			
Selectable SDI-1/2 Loop-through or HDMI conversion Out	HDMI 19-pin Female		
Analog Input			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI
Audio In / Out			
1 x Headphone Jack In	1 x Headphone Jack Out	1 x Speaker Out	
Weight			
1.3kg / 2.86lbs			

* Optional accessories available

- Tally automatically turns on When recording(Arri, Red)
- H/V Delay, Pixel-to-Pixel View, Zero/Under/Over Scan, Blue/Mono

BSM-153H

BSM-153H is a 15" super bright monitor with 3G SDI and advanced peaking features. It can be easily installed or 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.

LCD			
Size	15"	Luminance of White	1500 cd/m ²
Resolution	1024 x 768	Contrast	700 : 1
Pixel Pitch	0.297 mm	Back Light	LED
Color	8bit	Display Area (H x V)	304.13 x 228.10 mm
		Viewing Angle(deg)	160(H), 160(V)
Input			
3G/HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		DVI-I, 24pin, Female
HDMI (with HDCP v.1.1), 19pin Female		DVI-I to VGA Jack (with gender)	
Output			
SDI-1/2 Active Loop Output		Analog(YPbPr/CVBS/S-Video/RGB)	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	
Component (R/G/B)		PC-RGB, Sync Level	
Input Signal Format			
SMPTE 425M AB	2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	Composite
Component, VGA	DVI Signal	HDMI Digital	
Audio In / Out			
1 x Headphone Jack In		2 x Headphone Jack Out	2 x Speaker Out
Weight			
5kg/11lbs			

* Optional accessories available

- R/G/B and White Internal Patterns Display
- Copying the preset data to another monitor by USB Memory
- PiP/PaP (Between SDI & HDMI Input)
- Zero/Under/Over Scan

Jimmy Jib Mountable Super Bright

Best Rated

BSM-153H



- 10bit Signal Processor
- 3G-SDI (Level A/B)
- Waveform/Vecor Scope
- Focus Assistance
- Time Code
- False Color
- Closed Caption (CEA-608/708)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Exposure Range Check
- Supporting 3G-SDI (Level A/B)
- Various Markers
- UMD/IMD Mode-8~16ch Audio Level Meter
- Remote Control via GPI(RJ-45) Port
- 2 Hand Grips on Top and Left side
- AFD & V-CHIP(SDI Only)
- Update/Control via RS-422 or Ethernet
- 3 Mount Halls on Top
- Firmware Update via USB Memory

Jimmy Jib Mountable Super Bright BSM-183H



- Firmware Update via USB Memory
- 2 Hand Grips on Top and Left side
- Remote Control via GPI(RJ-45) Port
- H/V Delay, Blue/Mono, Pixel to Pixel
- Update/Control via RS-422 or Ethernet
- R/G/B and White Internal Patterns Display
- 10bit Signal Processor
- Copying the preset data to another monitor by USB Memory

Being lighter and smaller in volume than a general 17" broadcast monitor, BSM-183H is an 18.5" super bright monitor suitable for outdoor shooting. BSM-213H is available for a larger full HD display (21.5")

LCD			
Size	18.5"	Color	6 + FRC 2bit
Resolution	1368 x 768	Luminance of White	1200 cd/m ²
Pixel Pitch	0.3 mm	Back Light	LED
Viewing Angle	170(H), 160(V)	Display Area (H x V)	409.8 x 230.4 mm
Contrast	1000 : 1		
Input			
3G/HD/SD-SDI Analog(YPbPr/CVBS/S-Video/RGB) DVI-I, 24pin, Female			
HDMI (with HDCP v.1.1), 19pin Female DVI to VGA Jack (with gender)			
Output			
SDI-1/2 Active Loop Output		Analog(YPbPr/CVBS/S-Video/RGB)	
External Sync			
Input Signal Format			
SMPTE 425M AB	SMPTE 372M	SMPTE 274M/292M	SMPTE 296M
SMPTE 260M	SMPTE 125M/259M	2K, SMPTE 428M	Composite
Component, VGA	DVI Signal	HDMI Digital	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In		2 x Headphone Jack Out	2 x Speaker Out
Weight			
5.5ka / 12.2lbs			

* Optional accessories available

- AFD & V-CHIP(SDI Only)
- 8~16ch Audio Level Meter
- Closed Caption (CEA-608/708)
- Supporting 3G-SDI (Level A/B)
- False Color
- UMD/IMD Mode
- Various Markers
- Focus Assistance
- Time Code Display
- 3 Color TALLY Lamp
- 3G-SDI (Level A/B)
- Exposure Range Check
- Waveform/Vecor Scope
- Zero/Under/Over Scan

BSM-213H

Weighting only 12.2lbs, BSM-213H is a 21.5" super bright monitor with the resolution of 1920x1080 and luminance of 1200 cd/m². Suitable for both outdoor shooting and studio monitoring, it is now lighter and smaller in volume than a general 21" broadcast monitor.

LCD			
Size	21.5"	Luminance of White	1200 cd/m ²
Resolution	1920 x 1080	Back Light	LED
Pixel Pitch	0,248,25mm	Display Area (H x V)	476,64 x 268,11mm
Color	8bit	Viewing Angle(deg)	178(H), 178(V)
Contrast	3000 : 1		
Input			
HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		DVI-I, 24pin, Female
HDMI (with HDCP v.1.1), 19pin Female		DVI-I to VGA Jack (with gender)	
Output			
SDI-1/2 Active Loop Output	Analog(YPbPr/CVBS/S-Video/RGB)		
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	
Component (R/G/B)	PC-RGB, Sync Level		
Input Signal Format			
SMPTE 425M AB	2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	Composite
Component, VGA	DVI Signal	HDMI Digital	
Audio In / Out			
1 x Headphone Jack In		2 x Headphone Jack Out	2 x Speaker Out
Weight			
6kg/12.2lbs.			

* Optional accessories available

- Supporting 3G-SDI (Level A/B)
- Monitor Control/Update via Ethernet/RS-422
- Copying the preset data to another monitor by USB memory
- Firmware Update via USB Memory

FULL HD Super Bright BSM-213H



- PiP, PaP(Between analog and digital input)
- 10bit Signal Processor
- Waveform / Vector scope
- Closed Caption (CEA-608/708, SDI Only)
- Time Code Display (ATC_HD-SDI, DVITC_SD-SDI)
- Exposure Range Check ·UMD/IMD Mode Display
- AFD & V-CHIP display (SDI Only) ·3 Color Tally Lamp
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Zero/Under/Over Scan
- Remote Control via GPI(RJ-45) port
- False Color (SDI Only)
- Freeze Frame
- Focus Assistance

Recordable RM-072S



- HDMI-to-SDI Loop-through Converter ·Auto Recording with GPIO
- Supporting 3G-SDI (Level A/B) ·Various Recordable Input
- Support for PC-playable file format(mov) ·Thumbnail File List
- Battery Level Indicator ·Focus Assistance ·False Color
- Waveform/Vector scope ·Compatible to various DSLR Output
- Closed Caption(CEA-608/708) ·Various Play Mode
- Time Code(Except 3G Level B) ·8~16ch Audio Level Meter
- UMD/IMD Mode ·Various Markers ·Exposure Range Check
- R/G/B and White Internal Patterns Display ·AFD & V-CHIP(SDI Only)
- Zero/Under/Over Scan, Blue/Mono ·Pixel-to-Pixel View
- 1280*720/30p, 25p HD Recording with H.264 Video Codec
- H/V Delay ·2ch Audio Recording with MPEG-2 AAC Codec

RM-072S

RM-072S is a H.264 recordable monitor with SDI and HDMI inputs. Users can record the input signal on the screen and play it back instantly for review on a SD card. RM-072 is available for HDMI only.

LCD			
Size	7.0"	Luminance of White	400 cd/m ²
Resolution	1024 x 600	Contrast	900 : 1
Pixel Pitch	0.15 x 0.15 mm	Back Light	LED
Color	8bit	Display Area (H x V)	153.6 x 90.0 mm
Viewing Angle	160(H), 160(V)		
Input			
3G/HD/SD-SDI	HDMI(with HDCP v.1.1) 19pin Female		
Output			
Selectable SDI-1/2 Loop-through or HDMI conversion Out			
Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI
Audio In / Out			
1 x Headphone Jack In	1 x Headphone Jack Out	1 x Speaker Out	
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	Play, 2x/8x/32x FF/REW, 1/2x/1/8x/1/32x Slow, 2x/8x/32x Frame FF/REW		

* Optional accessories available

LCD			
Size	18.5"	Color	8bit
Resolution	1368 x 768	Luminance of White	250 cd/m ²
Pixel Pitch	0.1 x 0.3 mm	Back Light	LED
Viewing Angle	178(H), 178(V)	Display Area (H x V)	409.8 x 230.4 mm
Contrast	1000 : 1		
Input			
3G/HD/SD-SDI Analog(YPbPr/CVBS/S-Video/RGB) DVI-I, 24pin, Female			
HDMI (with HDCP v.1.1), 19pin Female External Sync, Black Burst & Tri-sync, 1.0Vp-p			
Output			
SDI-1/2 Active Loop Output Analog(YPbPr/CVBS/S-Video/RGB)			
HDMI-to-SDI Conversion Out External Sync			
Input Signal Format			
SMPTE 425M AB	SMPTE 372M	SMPTE 274M/292M	SMPTE 296M DVI
SMPTE 260M	SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656 HDMI
Audio In/Out			
1 x Headphone Jack In 2 x Headphone Jack Out 2 x Speaker Out			
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		

* Optional accessories available

.Firmware Update via USB Memory

- Zero/Under/Over Scan
- False Color
- 3 Color TALLY Lamp
- UMD/IMD Mode
- 3G-SDI (Level A/B)
- Various Markers
- Exposure Range Check
- Focus Assistance
- Waveform/Vecor Scope
- Time Code Display

•2 Hand Grips on Top and Left side

- Remote Control via GPI(RJ-45) Port
- H/V Delay, Blue/Mono, Pixel to Pixel
- Update/Control via RS-422 or Ethernet
- R/G/B and White Internal Patterns Display
- Copying the preset data to another monitor by USB Memory

Recordable

BXM-183R3G

BXM-183R3G is a high-end broadcast monitor with a 12bit video processor and multiple advanced features including 3G SDI input and HD recording. It starts recording automatically with the time code of a SDI camera.



- 10bit Signal Processor
- AFD & V-CHIP(SDI Only)
- 8~16ch Audio Level Meter
- Closed Caption (CEA-608/708)
- Supporting 3G-SDI (Level A/B)

new

ON-Camera Type FM-055F



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

5.5" Full HD

FM-055F

Featuring 5" 1920x1080 LED-backlit panel, FM-055F is the best 5" on-camera (DSLR and ENG) monitor. Reverse Peaking and Focus Peaking Box can be adjusted to be any size and placed anywhere on the screen.

LCD			
Size	5.5"		
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			
3G/HD/SD-SDI	HDMI(with HDCP v.1.1), 19pin Female		
Output			
SDI Loop-Through or HDMI conversion Out			
HDMI(with HDCP v.1.1) 19pin Female or SDI Conversion Out			
Audio In / Out			
1 x Headphone Jack Out	1 x Speaker Out		
Input Signal Format			
SMPTE 425M AB	SMPTE 274M / 292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI
Weight			
365g / 0.8lbs			

* Optional accessories available

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.

LCD			
Size	5.0"	Luminance of White	300 cd/m ²
Resolution	800 x 480	Contrast	600 : 1
Color	8bit	Pixel Pitch	0.135 x 0.135 mm
Viewing Angle	170(H), 170(V)	Display Area (H x V)	108.0 x 64.8 mm
Back Light	LED		
Input			
3G/HD/SD-SDI		HDMI, (with HDCP v.1.1), 19pin Female	
Output			
HD/SD-SDI BNC port, Selectable Loop-through or Convert Out			
Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI
Audio In/Out			
1 x Headphone Jack Out		2 x Speaker Out	
Weight			
350g / 0.77lbs			

* Optional accessories available

- Zero/Under/Over Scan, Blue/Mono
- Auto Color Temperature Adjustment
- Compatible to various DSLR Output
- Shortcut Button for Daylight Mode
- R/G/B and White Internal Pattern Display
- Horizontal/Vertical Audio Level Meters
- De-embedded 8~16ch Audio Level Meterer
- HDMI to SDI Conversion
- Auto Luminance Control
- 10-bit Signal Processor
- Battery Level Indicator

- Tally LED Control Output
- H/V Delay, Pixel-to-Pixel View
- Input Mode & Status Display
- Time Code(Except 3G Level B)
- Supporting 3G-SDI (Level A/B)
- Auto Flip(Vertical Flip)
- Selectable Loop-Through or Conversion Out
- H/V Flip
- Various Markers
- False Color On/Off
- Exposure Error Check
- Waveform/Vector scope



ON-Camera Type FM-052SC

ON-Camera Type

FM-073SC



- Zero/Under/Over Scan
- Supporting 3G-SDI (Level A/B)
- False Color
- Exposure Range Check
- Supporting parade mode
- Monitor Control/Update via RS-422
- 10-bit Signal Processor
- Remote Control via GPI(RJ-45) Port
- Firmware Update via USB Memory
- Tally automatically turns on When recording(Arri, Red)

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FM-073SC

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

LCD			
Size	7"	Luminance of White	400 cd/m ²
Resolution	1024 x 600	Contrast	900 : 1
Color	8bit	Pixel Pitch	0.15 x 0.15mm
Viewing Angle	160(H), 160(V)	Display Area (H x V)	153.6 x 90.0 mm
Back Light	LED		
Input			
3G/HD/SD-SDI	HDMI, (with HDCP v.1.1), 19pin Female		
Analog(YPbPr/CVBS/S-Video/RGB)			
Output			
Selectable SDI-1/2 Loop-through or HDMI conversion Out	HDMI, 19-pin Female		
Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI
Audio In/Out			
1 x Headphone Jack Out	1 x Headphone Jack In	1 x Speaker Out	
Weight			
0.87kg / 1.92lbs			

* Optional accessories available

- Waveform/Vectorscope
- Various Markers
- 3 Color TALLY Lamp
- UMD Mode Display
- H/V Delay, RGB/Mono
- Focus Assistance
- Pixel-to-Pixel View
- Time Code Display(SDI Only)
- PiP, PaP (Between SDI & HDMI Input)
- V-CHIP display (SDI Only)
- Tally automatically turns on When recording(Arri, Red)
- Copying the preset data to another monitor by USB memory
- R/G/B and White Internal Patterns Display

BEM-072

BEM-072 is a cost-effective 7" on-camera monitor with its own color-calibrated screen and selectable color temperatures, accepting SD through 3G SDI. A DV battery or V-Mount is attachable on the back. Single/Dual rack mount kits are available in option.

LCD			
Size	7"	Luminance of White	400 cd/m ²
Resolution	1024 x 600	Contrast	900 : 1
Pixel Pitch	0.15 x 0.15mm	Back Light	LED
Color	8bit	Display Area (H x V)	153.6 x 90.0mm
Viewing Angle	160(H), 160(V)		
Input			
3G/HD/SD-SDI		HDMI (with HDCP v.1.3), 19pin Female	
Output			
SDI Loop Through			
Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	
Audio In/Out		Weight	
1 x Headphone Jack Out		0.8kg / 1.76lbs	

* Optional accessories available

- Pixel-to-Pixel View
- Supporting 3G-SDI (Level A/B)
- H/V Delay, RGB/Mono
- Exposure Range Check(SDI Only)
- Zero/Under/Over Scan
- Monitor Control/Update via RS-422
- Supporting parade mode
- Waveform/Vectorscope (SDI)
- 3 Color TALLY Lamp-Remote Control via GPI(RJ-45) Port
- False Color (SDI Only)
- PiP, PaP (Between SDI & HDMI Input)
- Firmware Update via USB Memory
- Copying the preset data to another monitor by USB memory
- R/G/B and White Internal Patterns Display

BEM Series BEM-072



- V-CHIP display (SDI Only)
- Various Markers
- Focus Assistance(SDI Only)
- Time Code Display(SDI Only)
- UMD Mode Display

BEM Series

BEM-182

**Rack mountable
6RU Fitted in**



BEM-182

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

LCD			
Size	18.5"	Color	6 + FRC 2bit
Resolution	1366 x 768	Luminance of White	250 cd/m ²
Pixel Pitch	0,3 x 0,3mm	Back Light	LED
Viewing Angle	170(H), 160(V)	Display Area (H x V)	409,8 x 230,4 mm
Contrast	1000 : 1		

Input	
3G/HD/SD-SDI	HDMI1.3 (with HDCP v.1.3), 19pin Female
Output	

SDI Loop Through

Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI

Audio In/Out

1 x Headphone Jack Out

* Optional accessories available

- Time Code Display(SDI Only)
- H/V Delay, RGB/Mono (SDI ONLY)
- Exposure Range Check(SDI Only)
- Monitor Control/Update via RS-422
- PiP/PaP (Between SDI & HDMI Input)
- Closed Caption(CEA-608/708,SDI only)
- Pixel to Pixel
- UMD Mode Display
- 3 Color TALLY Lamp
- Zero/Under/Over Scan
- Supporting parade mode
- Remote Control via GPI(RJ-45) Port
- V-CHIP display (SDI Only)
- Waveform/Vectorscope (SDI)
- Focus Assistance(SDI Only)
- Firmware Update via USB Flash Memory
- 10-bit Signal Processor
- False Color (SDI Only)
- Various Markers

BEM-212

BEM-212 is a cost-effective 21.5" LED broadcast monitor. It has a color-calibrated screen with selectable color temperatures. A V-Mount or Anton Bauer battery is attachable on the back.

LCD

Size	21.5"	Color	8bit
Resolution	1920 x 1080	Luminance of White	250 cd/m ²
Pixel Pitch	0.24825mm	Back Light	LED
Viewing Angle	178(H),178(V)	Display Area (H x V)	476.64 x 268.11 mm
Contrast	3000:1		

Input

3G/HD/SD-SDI HDMI, (with HDCP v.1.1), 19pin Female

Output

SDI Loop Through

Input Signal Format

SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI

Audio In/Out

1 x Headphone Jack Out

* Optional accessories available

- Various Markers
- Supporting 3G-SDI (Level A/B)
- UMD Mode Display
- Exposure Range Check(SDI Only)
- Time Code Display
- Waveform/Vectorscope (SDI Only)
- Remote Control via GPI(RJ-45) Port

- 10-bit Signal Processor
- V-CHIP display (SDI Only)
- H/V Delay, RGB/Mono, Pixel to Pixel
- Firmware Update via USB Memory
- Focus Assistance(SDI Only)
- R/G/B and White Internal Patterns Display(SDI Only)
- Copying the preset data to another monitor by USB memory
- 3 Color TALLY Lamp
- Monitor Control/Update via RS-422
- Zero/Under/Over Scan
- PiP/PaP (Between SDI & HDMI Input)
- False Color (SDI Only)
- Closed Caption(CEA-608/708)

BEM Series
BEM-212



BEM Series

BEM-242



BEM-242

BEM-242 is a cost-effective 24" LED broadcast monitor with its own color-calibrated screen and selectable color temperatures.

LCD			
Size	24"	Color	8bit
Resolution	1920 x 1080	Luminance of White	250 cd/m ²
Pixel Pitch	0.27675mm	Back Light	LED
Viewing Angle	178(H), 178(V)	Display Area [H x V]	531.36 x 298.89 mm
Contrast	3000 : 1		
Input			
3G/HD/SD-SDI	HDMI1.3 (with HDCP v.1.3), 19pin Female		
Output			
SDI Loop Through			
Input Signal Format			
SMPTE 425M AB	SMPTE 274M/292M	SMPTE 296M	SMPTE 260M
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI
Audio In/Out			
1 x Headphone Jack Out			

* Optional accessories available

- Various Markers
- Focus Assistance(SDI Only)
- Waveform/Vectorscope (SDI Only)
- Time Code Display(SDI Only)
- Supporting 3G-SDI (Level A/B)
- Exposure Range Check(SDI Only)
- Monitor Control/Update via RS-422

- Remote Control via GPI(RJ-45) Port
- PiP/PaP (Between SDI & HDMI Input)
- H/V Delay, RGB/Mono, Pixel to Pixel
- UMD Mode Display
- 3 Color TALLY Lamp
- Zero/Under/Over Scan
- Supporting parade mode

- False Color (SDI Only)
- Closed Caption(CEA-608/708)
- 10-bit Signal Processor
- Signal Analysis Features
- V-CHIP display (SDI Only)

BSM-212i

BSM-212i is a 21.5" professional broadcast monitor with a 10-bit video processor. Its full HD 1920x1080 resolution achieves the best image quality for monitoring by providing sharp 1:1 mapped pixels.

LCD			
Size	21.5"	Luminance of White	250cd/m ²
Resolution	1920 x 1080	Contrast	3000 : 1
Color	8bit	Pixel Pitch	0.24825 mm
Viewing Angle	178(H), 178(V)	Display Area (H x V)	476.64 x 268.11 mm
Back Light	LED		
Input			
HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)	DVI-I, 24pin, Female	
HDMI (with HDCP v.1.1), 19pin Female		DVI-I to VGA Jack (with gender)	
Output			
SDI-1/2 Active Loop Output	Analog(YPbPr/CVBS/S-Video/RGB)		
Input Signal Format			
SMPTE 274M/292M	SMPTE 296M	SMPTE 260M	DVI
SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656	HDMI
Audio In/Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- 10bit Signal Processor
- AFD & V-CHIP(SDI Only)
- Waveform/Vector Scope
- Update/Control via RS-422
- UMD/IMD Mode
- Firmware Update via USB Memory

- H/V Delay
- Time Code
- False Color
- Freeze Frame
- Various Markers

- 1920x1080 Full HD Resolution
- Closed Caption (CEA-608/708)
- Remote Control GPI(RJ-45) port
- Zero/Under/Over Scan/Zoom Scan
- PiP/PaP (Between HDMI & SDI Input)
- Copying the preset data to another monitor by USB memory

- Focus Assistance
- R,G,B and Gray only Display
- 3 Color Tally Lamp
- Pixel-to-Pixel View
- Exposure Range Check

BSM i Series BSM-212i



BSM i Series

BSM-242i



- Exposure Range Check
- 10bit Signal Processor
- Waveform/Vector Scope
- AFD & V-CHIP(SDI Only)
- Update/Control via RS-422
- Firmware Update via USB Memory

- H/V Delay
- Time Code
- False Color
- UMD/IMD Mode
- Freeze Frame

BSM-242i

BSM-242i is a 24" LED broadcast monitor with the exact colors of HDTV standards BT.709 and SMPTE-C color space with no visible over-saturated colors.

LCD			
Size	24"	Color	6 + FRC 2bit
Resolution	1920 x 1080	Luminance of White	250 cd/m ²
Pixel Pitch	0.27675 mm	Back Light	LED
Viewing Angle	178(H), 178(V)	Display Area (H x V)	531.36 x 298.89 mm
Contrast	3000 : 1		
Input			
HD/SD-SDI Analog(YPbPr/CVBS/S-Video/RGB) DVI-I, 24pin, Female			
HDMI (with HDCP v.1.1), 19pin Female DVI-I to VGA Jack (with gender)			
Output			
SDI-1/2 Active Loop Output Analog(YPbPr/CVBS/S-Video/RGB)			
Input Signal Format			
SMPTE 274M/292M, SMPTE 296M, SMPTE 260M, SMPTE 125M/259M			
2K, SMPTE 428M ITU R-BT.656 HDMI DVI			
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack Out	1 x Headphone Jack In	1 x Speaker Out	

* Optional accessories available

- R/G/B and Gray only Display
- Closed Caption (CEA-608/708)
- Zero/Under/Over Scan/Zoom Scan
- Remote Control GPI(RJ-45) port
- PiP/PaP (Between HDMI & SDI Input)
- Copying the preset data to another monitor by USB memory
- Focus Assistance
- Various Markers
- Pixel-to-Pixel View
- 3 Color Tally Lamp

BSM-093N3G

BSM-093N3G is a 9" monitor with the optimized 960x540 resolution LCD panel to display motion pictures. With 2 SDI in/out ports, it supports 3G SDI, stereo audio in/out ports and speakers.

Single/Dual rack mount kit is available as an option.

LCD			
Size	9"	Color	8bit
Resolution	960 x 540	Luminance of White	400 cd/m ²
Pixel Pitch	0.207 mm	Back Light	LED
Viewing Angle	170(H), 170(V)	Display Area (H x V)	198.72 x 111.78 mm
Contrast	1000 : 1		
Input			
HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)	DVI-I, 24pin, Female	
HDMI (with HDCP v.1.1), 19pin Female		DVI-I to VGA Jack (with gender)	
Output			
SDI-1/2 Active Loop Output	Analog(YPbPr/CVBS/S-Video/RGB)		
Input Signal Format			
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	Composite
Component, VGA	DVI Signal	HDMI Digital	SMPTE 425M AB
2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio in/out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- Waveform/Vector Scope
- 10bit Signal Processor
- AFD & V-CHIP(SDI Only)
- Closed Caption (CEA-608/708)
- R/G/B and Gray only Display
- Various Markers

- Remote Control via GPI(RJ-45) Port
- PiP/PaP (Between SDI & HDMI Input)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Update/Control via RS-422 or Ethernet
- R/G/B and White Internal Patterns Display
- Copying the preset data to another monitor by USB memory

- Focus Assistance
- USB Memory Update
- 3G-SDI (Level A/B)
- 3 Color TALLY Lamp
- Zero/Under/Over Scan

- Exposure Range Check
- Time Code
- False Color
- UMD/IMD Mode
- Freeze Frame
- Firmware Update via USB Memory

BSM Series BSM-093N3G



BSM Series

BSM-173N3G



- Exposure Range Check
- Zero/Under/Over Scan
- AFD /V-CHIP(SDI Only)
- 8~16ch Audio Level Meter
- Focus Assistance
- R/G/B or Gray Only Display
- R/G/B and White Internal Pattern Display

- Time Code Display
- False Color
- UMD/IMD Mode
- Freeze Frame
- Tally Display
- Various Markers
- Copying the preset data to another monitor by USB Memory

- 3G SDI (Level A/B)
- Monitor Controllable via Ethernet
- PiP/PaP (Between SDI & HDMI Input)
- H/V Delay
- Pixel-to-Pixel View
- Closed Caption(CEA-608/708)

* Optional accessories available

BSM-173N3G

BSM-173N3G, a 17" broadcast monitor with its native full HD screen accepts 3G SD signals.

LCD			
Size	17.3"	Pixel Pitch	0.1989 x 0.1989 mm
Resolution	1920 x 1080	Color	6 + FRC 2bit
Viewing Angle	160(H), 140(V)	Luminance of White	400 cd/m ²
Contrast	600 : 1	Display Area (H x V)	381.88 x 214.81 mm
Back Light	LED		
Input			
3G/HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		DVI-I, 24pin, Female
HDMI (with HDCP v.1.1), 19pin Female	DVI-I to VGA Jack (with gender)		
Output			
SDI-1/2 Active Loop Output	Analog(YPbPr/CVBS/S-Video/RGB)		
Input Signal Format			
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	Composite
Component, VGA	DVI Signal	HDMI Digital	SMPTE 425M AB
2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

BSM-183N3G

BSM-183N3G is an 18.5" broadcast monitor, supporting 3G-SDI signals, Waveform/Vectorscope and various markers.

LCD			
Size	18.5"	Pixel Pitch	0.3 x 0.3 mm
Resolution	1366 x 768	Color	6 + FRC 2bit
Viewing Angle	170(H), 160(V)	Luminance of White	250 cd/m ²
Contrast	1000:1	Display Area (H x V)	409.8 x 230.4 mm
Back Light	LED		
Input			
3G/HD/SD-SDI Analog(YPbPr/CVBS/S-Video/RGB) DVI-I, 24pin, Female			
HDMI (with HDCP v.1.1), 19pin Female DVI-I to VGA Jack (with gender)			
Output			
SDI-1/2 Active Loop Output Analog(YPbPr/CVBS/S-Video/RGB)			
Input Signal Format			
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	DVI
HDMI 2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M	
Analog Input Level			
Composite YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)	
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- Exposure Range Check
- H/V Delay
- Zero/Under/Over Scan
- False Color
- Waveform/Vector Scope
- Freeze Frame
- 10bit Signal Processor

- R/G/B and Gray only Display
- Firmware Update via USB Memory
- Closed Caption (CEA-608/708)
- 3 Color Tally Lamp
- Remote Control via GPI(RJ-45) port
- PiP, PaP (Between Analog & Digital input)
- Copying the preset data to another monitor by USB memory

BSM Series BSM-183N3G



- UMD/IMD Mode
- AFD & V-CHIP(SDI Only)
- Various Markers
- Update/Control via RS-422
- Focus Assistance
- Pixel-to-Pixel View
- TimeCode Display

BSM Series

BSM-213N3G



BSM-213N3G

BSM-213N3G, a 21.5" broadcast monitor with 3G SDI signals reproduces high quality pictures with a wide color range and smooth gradient.

LCD			
Size	21.5"	Luminance of White	250 cd/m ²
Resolution	1920 x 1080	Contrast	1000 : 1
Pixel Pitch	0.24795mm	Back Light	LED
Color	6 + FRC 2bit	Display Area (H x V)	476.064 x 267.768 mm
Viewing Angle	178(H), 178(V)		
Input			
3G/HD/SD-SDI Analog(YPbPr/CVBS/S-Video/RGB)		DVH, 24pin, Female	
HDMI (with HDCP v.1.1), 19pin Female		DVH to VGA Jack (with gender)	
Output			
SDI-1/2 Active Loop Output		Analog(YPbPr/CVBS/S-Video/RGB)	
Input Signal Format			
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	Composite
Component, VGA	DVI Signal	HDMI Digital	SMPTE 425M AB
2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In		2 x Headphone Jack Out	2 x Speaker Out

* Optional accessories available

- Zero/Under/Over Scan
- Time Code
- Waveform/Vector Scope
- False Color
- 10bit Signal Processor
- UMD/IMD Mode
- AFD & V-CHIP(SDI Only)
- Remote Control via GPI(RJ-45) Port

- Freeze Frame
- 3G-SDI (Level A/B)
- PiP/PaP (Betweent SDI & HDMI Input)
- 3 Color TALLY Lamp
- H/V Delay, Blue/Mono, Pixel to Pixel
- Exposure Range Check
- Update/Control via RS-422 or Ethernet
- Copying the preset data to another monitor by USB memory

- Closed Caption (CEA-608/708)
- Various Markers
- R/G/B and Gray only Display
- Focus Assistance

BSM-243N3G

BSM-243N3G, a 24" broadcast monitor with 3G SDI signals reproduces high quality pictures with a wide color range and smooth gradient.

LCD			
Size	24"	Luminance of White	300 cd/m ²
Resolution	1920 x 1200	Contrast	1000 : 1
Pixel Pitch	0.270 mm	Back Light	LED
Color	6 + FRC 2bit	Display Area (H x V)	518.4 x 324.0 mm
Viewing Angle	178(H), 178(V)		
Input			
3G/HD/SD-SDI Analog(YPbPr/CVBS/S-Video/RGB) DVI-I, 24pin, Female			
HDMI (with HDCP v.1.1), 19pin Female DVI-I to VGA Jack (with gender)			
Output			
SDI-1/2 Active Loop Output Analog(YPbPr/CVBS/S-Video/RGB)			
Input Signal Format			
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	Composite
Component, VGA	DVI Signal	HDMI Digital	SMPTE 425M AB
2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- Waveform/Vector Scope
- Time Code
- 10bit Signal Processor
- False Color
- AFD & V-CHIP(SDI Only)
- UMD/IMD Mode
- Closed Caption (CEA-608/708)
- 3 Color TALLY Lamp
- Freeze Frame
- R/G/B and Gray only Display
- Various Markers
- Focus Assistance
- Remote Control via GPI(RJ-45) Port
- 3G-SDI (Level A/B)

BSM Series BSM-243N3G



- PiP/PaP (Between SDI & HDMI Input)
- H/V Delay, Blue/Mono, Pixel to Pixel
- Exposure Range Check
- Update/Control via RS-422 or Ethernet
- Zero/Under/Over Scan
- R/G/B and White Internal Patterns Display
- Copying the preset data to another monitor by USB memory

BSM Series

BSM-463N3G

BSM-463N3G, a 46" broadcast monitor with 3G SDI signals reproduces high quality pictures with a wide color range and smooth gradient.



- Various Markers
- Waveform/ Vector Scope
- 10-bit Signal Processor
- Supporting 3G-SDI (Level A/B)
- AFD & V-CHIP display (SDI Only)
- Remote Control via GPI(RJ-45) Port
- Copying the preset data to another monitor by USB memory
- Time Code Display
- Focus Assistance
- Control/Update via Ethernet/RS-422
- H/V Delay, Blue/Mono, Pixel to Pixel
- Firmware Update via USB Memory
- PiP, PaP(Between analog and digital input)

BSM-463N3G

LCD			
Size	46"	Color	6 + FRC 2bit
Resolution	1920 x 1080	Luminance of White	500 cd/m ²
Pixel Pitch	0,53 mm	Back Light	LED
Viewing Angle	178(H), 178(V)	Display Area (H x V)	1018,08 x 572,67 mm
Contrast	4000:1		
Input			
3G/HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		DVI-I, 24pin, Female
HDMI (with HDCP v.1.1), 19pin Female	DVI-I to VGA Jack (with gender)		
Output			
SDI-1/2 Active Loop Output	Analog(YPbPr/CVBS/S-Video/RGB)		
Input Signal Format			
SMPTE 260M	SMPTE 125M/259M	ITU R-BT.656	Composite
Component, VGA	DVI Signal	HDMI Digital	SMPTE 425M AB
2K, SMPTE 428M	SMPTE 274M/292M	SMPTE 296M	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- 3 Color TALLY Lamp
- Zero/Under/Over Scan
- UMD/IMD Mode Display
- Exposure Range Check
- False Color (SDI Only)
- Closed Caption(CEA-608/708)

BXM-173T3G

Featuring a 17" Full-HD LED-backlit LCD panel with 10 bit of color depth, BXM-173T3G provides 12 bit signal processing and color space selectable Gamma selection.

LCD			
Size	17.3"	Luminance of White	300 cd/m ²
Resolution	1920 x 1080	Contrast	800 : 1
Pixel Pitch	0.199mm	Back Light	LED
Color	10bit	Display Area (H x V)	381.9 x 214.8 mm
Viewing Angle	178(H), 178(V)		
Input			
3G/HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		
DVI-I 24pin Female	External Sync Black Burst & Tri-sync 1.0Vp-p		
HDMI(with HDCP v.1.1)	19pin Female		
Output			
SDI-1/2 Active Loop Output	Analog(YPbPr/CVBS/S-Video/RGB)		
External Sync			
Analog Input			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB,Sync Level			
Input Signal Format			
SMPTE 425M AB	SMPTE 372M	SMPTE 274M / 292M	SMPTE 296M
SMPTE 260M	SMPTE 125M/259M	2K, SMPTE 428M	ITU R-BT.656
HDMI	DVI		
Audio In / Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- Time Code Display (ATC_HD-SDI, DVITC_SD-SDI, Except 3G Level B)
- Monitor Control/Update via Ethernet/RS-422
- I/P Conversion for Motion Response (Minimizing the delay)



10bit LCD

BXM-173T3G



- 12-bit Signal Processor
- False Color (SDI Only)
- Zero/Under/Over Scan
- Blending, PaP, PiP
- 3 Color Tally Lamp
- Waveform / Vector scope
- Closed Caption (CEA-608/708)
- Focus Assistance
- Exposure Range Check
- Freeze Frame
- Fast Motion Mode
- Supporting 3G-SDI (Level A/B)

BXM Series

BXM-243L3G



- Blue/Mono
- Pixel-to-Pixel View
- Zero/Under/Over Scan
- Exposure Range Check
- Waveform/Vector Scope
- 12bit Signal Processor
- AFD & V-CHIP(SDI Only)
- Focus Assistance
- Fast Motion Mode
- Closed Caption (CEA-608/708)
- Gen-Lock(video synchronization)
- I/P Conversion for Motion Response
- Remote Control via GPI(RJ-45) Port
- Update/Control via RS-422 or Ethernet

BXM-243L3G

Featuring a 12 bit video processor, BXM-243L3G is a high-end broadcast monitor for professionals, providing crystal clear image for broadcast monitoring with the advanced broadcast features.

LCD			
Size	24"	Luminance of White	300 cd/m ²
Resolution	1920 x 1200	Contrast	1000 : 1
Pixel Pitch	0.270mm	Back Light	LED
Color	6 + FRC 2bit	Display Area (H x V)	518.4 x 324mm
Viewing Angle	178(H), 178(V)		
Input			
3G/HD/SD-SDI Analog(YPbPr/CVBS/S-Video/RGB) DVH, 24pin, Female			
HDMI (with HDCP v.1.1), 19pin Female External Sync, Black Burst & Tri-sync, 1.0Vp-p			
Output			
SDI-1/2 Active Loop Output Analog(YPbPr/CVBS/S-Video/RGB)			
External Sync			
Input Signal Format			
SMPTE 425M AB	SMPTE 372M	SMPTE 274M/292M	SMPTE 296M
SMPTE 260M	SMPTE 125M/259M	2K, SMPTE 428M	
ITU R-BT.656	HDMI	DVI	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- False Color
- Freeze Frame
- UMD/IMD Mode
- Various Markers
- 3 Color TALLY Lamp
- Blending, PaP, PiP
- 3G-SDI (Level A/B)
- Time Code

BXM-323L3G

LCD			
Size	31.5"	Luminance of White	350 cd/m ²
Resolution	1920 x 1080	Contrast	3000 : 1
Pixel Pitch	0.36375mm	Back Light	LED
Color	8bit	Display Area (H x V)	698.4 x 392.8mm
Viewing Angle	178(H), 178(V)		
Input			
3G/HD/SD-SDI	Analog(YPbPr/CVBS/S-Video/RGB)		
HDMI (with HDCP v.1.1), 19pin Female	External Sync, Black Burst & Tri-sync, 1.0Vp-p		
DVI-I, 24pin, Female	DVI to VGA Jack (with gender)		
Output			
SDI-1/2 Active Loop Output	Analog(YPbPr/CVBS/S-Video/RGB)		
External Sync			
Input Signal Format			
SMPTE 425M AB	SMPTE 372M	SMPTE 274M/292M	SMPTE 296M
SMPTE 260M	SMPTE 125M/259M	2K, SMPTE 428M	
ITU R-BT.656	HDMI	DVI	
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	Component (R/G/B)
PC-RGB, Sync Level			
Audio In/Out			
1 x Headphone Jack In	2 x Headphone Jack Out	2 x Speaker Out	

* Optional accessories available

- 12bit Signal Processor
- 3 Color TALLY Lamp
- 3G-SDI (Level A/B)
- AFD & V-CHIP(SDI Only)
- Blending, PaP, PiP
- Firmware Update via USB Memory
- Closed Caption (CEA-608/708)
- Exposure Range Check
- False Color
- Fast Motion Mode
- Blue/Mono
- Update/Control via RS-422 or Ethernet
- Gen-Lock(video synchronization)
- H/V Delay
- I/P Conversion for Motion Response
- Pixel-to-Pixel View
- Remote Control via GPI(RJ-45) Port

BXM Series BXM-323L3G

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



- Time Code
- UMD/IMD Mode
- Focus Assistance
- Various Markers
- Waveform/Vector Scope
- Zero/Under/Over Scan
- Freeze Frame

Quad Series

BQM-170LS



BQM-170LS

Rack-mountable BQM-170LS splits and displays 4 different video inputs (user selectable), offering color accuracy and sharp color contrast with its full HD resolution.



LCD			
Size	17.3"	Color	6 + FRC 2bit
Resolution	1920 x 1080	Luminance of White	400 cd/m ²
Pixel Pitch	0.199 x 0.199mm	Back Light	LED
Viewing Angle	160(H), 140(V)	Display Area (H x V)	381.9 x 214.8 mm
Contrast	600 : 1		
Input			
SDI Input	Analog Input	DVI Input	PC-RGB(DVI) Input
HDMI Input	S-Video Input		
Output			
SDI Loop Output			
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	
Component (R/G/B)		PC-RGB,Sync Level	
Input Signal Format			
SMPTE 274M/292M	SMPTE 296M	SMPTE 260M	SMPTE 259M/125M
2K, SMPTE 428M	ITU R-BT.656	HDMI Digital	DVI Digital
PC-RGB(DVI) Mode			Component
Audio In/Out			
1 x Line In	1 x Line Out	2 x Speaker Out	

* Optional accessories available

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

BQM-240LS

LCD			
Size	24"	Luminance of White	400 cd/m ²
Resolution	1920 x 1200	Contrast	1000 : 1
Pixel Pitch	0.270mm	Back Light	CCFL
Color	8bit	Display Area (H x V)	518.4 x 324.0 mm
Viewing Angle	178(H), 178(V)		
Input			
SDI Input	Analog Input	DVI Input	PC-RGB(DVI) Input
HDMI Input	S-Video Input		
Output			
SDI Loop Output			
Analog Input Level			
Composite	YC(S-Video)	Component(Y/Pb/Pr)	
Component (R/G/B)		PC-RGB,Sync Level	
Input Signal Format			
SMPTE 274M/292M	SMPTE 296M	SMPTE 260M	SMPTE 259M/125M
2K, SMPTE 428M	ITU R-BT.656	HDMI Digital	DVI Digital
PC-RGB(DVI) Mode			
Audio In/Out			
1 x Line In	1 x Line Out	2 x Speaker Out	

* Optional accessories available

- HD SDI Signal Reception
- 2 Assignable Function Keys
- Current Time Clock Display
- Closed Caption (CEA 608, 708)
- Advanced Video Analysis Features

- Various Markers
- Pixel-to-Pixel View
- Waveform/Vectorscope
- 16Ch Audio Level(H/V)
- Various Input Signals
- Various Split Screens

Quad Series BQM-240LS

BQM-240LS splits and displays up to 4 different video inputs on the screen by user selectable input display.



MONITOR MODEL GUIDE FOR CHOICE

KEY FEATURE	MODEL	LCD						INPUT/OUTPUT					INPUT SIGNAL	
		Size	Resolution	Color Depth	Viewing Angle	Luminance	Contrast Ratio	SDI	Analog	HDMI	DVI	External Sync	SDI Input	Analog Input
On Camera Type	FM-055F	5.5"	1920x1080	8bit	160/160	450cd/m ²	1000:1	1/1	-	1/1	-	-	*1,*3	-
	FM-0525C	5"	800x480	8bit	170/170	300cd/m ²	600:1	1/1	-	1/-	-	-	*1,*3	-
	FM-0735C	7"	1024x600	8bit	160/160	400cd/m ²	900:1	2/1	3/-	1/1	-	-	*1,*3	*4,*5,*6
BEM Series	BEM-072	7"	1024x600	8bit	160/160	400cd/m ²	900:1	1/1	-	1/-	-	-	*1,*3	-
	BEM-182	18.5"	1366x768	6+FRC 2bit	170/160	250cd/m ²	100:1	1/1	-	1/-	-	-	*1,*3	-
	BEM-212	21.5"	1920x1080	8bit	178/178	250cd/m ²	300:1	1/1	-	1/-	-	-	*1,*3	-
	BEM-242	24"	1920x1080	8bit	178/178	250cd/m ²	300:1	1/1	-	1/-	-	-	*1,*3	-
BSM i Series	BSM-212i	21.5"	1920x1080	8bit	178/178	250cd/m ²	300:1	2/2	3/3	1/-	1/-	-	*3	*4,*5,*6
	BSM-242i	24"	1920x1080	8bit	178/178	250cd/m ²	300:1	2/2	3/3	1/-	1/-	-	*3	*4,*5,*6
BSM Series	BSM-093N3G	9"	960x540	8bit	170/170	400cd/m ²	1000:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BSM-173N3G	17.3"	1920x1080	6+FRC 2bit	160/140	400cd/m ²	600:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BSM-183N3G	18.5"	1366x768	6+FRC 2bit	170/160	250cd/m ²	1000:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BSM-213N3G	21.5"	1920x1080	6+FRC 2bit	178/178	250cd/m ²	1000:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BSM-243N3G	24"	1920x1200	6+FRC 2bit	178/178	300cd/m ²	1000:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BSM-463N3G	46"	1920x1080	6+FRC 2bit	178/178	500cd/m ²	4000:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
BXM Series	BXM-173T3G	17"	1920x1080	10bit	178/178	300cd/m ²	800:1	2/2	3/3	1/-	1/-	1/1	*1,*2,*3	*4,*5,*6
	BXM-243L3G	24"	1920x1200	6+FRC 2bit	178/178	300cd/m ²	1000:1	2/2	3/3	1/-	1/-	1/1	*1,*2,*3	*4,*5,*6
	BXM-323L3G	31.5"	1920x1080	8bit	178/178	350cd/m ²	3000:1	2/2	3/3	1/-	1/-	1/1	*1,*2,*3	*4,*5,*6
OLED	TXM-243T3G	24.5"	1920x1080	10bit	178/178	400cd/m ²	5000:1	2/2	3/3	1/-	1/-	1/1	*1,*2,*3	*4,*5,*6
Super Bright	BEM-072H	7"	1024x600	8bit	160/160	1100cd/m ²	900:1	1/1	-	1/-	-	-	*1,*3	-
	FM-0735SCH	7"	1024x600	8bit	160/160	1100cd/m ²	900:1	2/1	3/-	1/1	-	-	*1,*3	*4,*5,*6
	BSM-153H	15"	1024x768	8bit	160/160	1500cd/m ²	700:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BSM-183H	18.5"	1366x768	6+FRC 2bit	170/160	1200cd/m ²	1000:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BSM-213H	21.5"	1920x1080	8bit	178/178	1200cd/m ²	3000:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
Recordable	RM-072S	7"	1024x600	8bit	160/160	400cd/m ²	900:1	2/2	3/3	1/-	1/-	-	*1,*3	*4,*5,*6
	BXM-183R3G	18.5"	1366x768	8bit	178/178	250cd/m ²	1000:1	2/2	3/3	1/-	1/-	1/1	*1,*2,*3	*4,*5,*6
Quad Series	BQM-170LS	17.3"	1920x1080	6+FRC 2bit	160/140	400cd/m ²	600:1	4/4	3/-	1/-	1/-	-	*3	*4,*5,*6
	BQM-240LS	24"	1920x1200	8bit	178/178	400cd/m ²	1000:1	4/4	3/-	1/-	1/-	-	*3	*4,*5,*6

Input Formats

Input Signal Formats	SDI Input Signal	*1	SMPTE 425M AB	Level A(MS1, MS2, MS3, MS4), Level B(MS1, MS2, MS3, MS4)
		*2	SMPTE 372M	YCbCr(4:2:2), 1920x1080p(60,59.94,50)
			(Dual HD-SDI)	YCbCr/RGB(4:4:4), 1920x1080i(60,59.94,50), 1920x1080p(30,29.97,24,23.98),
		*3	SMPTE 274M/292M	1920x1080i(60,59.94,50), 1920x1080p(30,29.97,25,24,24sF,23.98,23.98sF)
			SMPTE 296M	1280x720p(60,59.94,50)
			SMPTE 260M	1920x1035i(60,59.94)
			SMPTE 125M/259M	720x480i(60,59.94), 720x576i(50)
			ITU-R BT.656	720x576i(50)
			2K Format	2048x1080p(24,24sF,23.98,23.98sF)
	Analog Input Signal	*4	YC(S-Video)	Y:1.0Vp-p, C:0.286Vp-p
		*5	Composite	1.0Vp-p(with sync), NTSC/PAL
		*6	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

Quad Converter

BMQ-100

Closed Caption On/Off
Single/Quad View Switching
'Channel 1 Audio Only' Button
PC Software to Control Device
Dip Switches to Select Function
Selectable HDMI Color Signals(Output)

Time Code
Input Label Naming
Audio Level Meters
Audio Tone Generator
Output Format Changer



BMQ-100

A mini quad-viewer, BMQ-100 takes 4 SDI inputs from different sources and combines them into one SDI or HDMI output.

Input	
4 x BNC	3G/HD/SD-SDI
Output	
1 x BNC	3G/HD/SD-SDI
1 x HDMI	HDMI, (with HDCP v.1.3), 19pin Female
Video Formats	
SMPTE 425M AB	Level A MS1
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)
General	
2 x Mini USB	Firmware update / Remote control
Dip Switch	8
Power Requirements	DC (6V~18V)
Power Consumption	12W
Operating Temperature	-10°C ~ 40°C (14°F ~104°F)
Operating Humidity	20% ~ 80% RH
Weight	260g(0.57lbs)
Dimensions(WxHxD)	86 x 109 x 22mm (3.4 x 4.3 x 0.8 inches)
Accessories	• Adaptor(12V/2A)

Audio Level Meter / Time Code Waveform / Vector Scope

Converter BC-100SH / BC-100HS

BC-100SH is a SDI-to-HDMI converter with the advanced monitoring features such as waveform/vectorscope, audio level display, video/audio pattern generator and more.

		BC-100SH		BC-100HS	
Input		1 x BNC	3G/HD/SD-SDI	1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
Output		1 x BNC	SDI Loop-Through	1 x Audio In	Audio Input Port (Stereo 3.5 pi)
		1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female	2 x SDI	BNC Port
Video Formats	HD	1920x1080 60p/59.94p/50p 1920x1080 60i, 59.94i, 50i, 30p, 29.97p, 25p, 24p, 23.98p 1280x720 60p, 59.94p, 50p			
	SD	NTSC, PAL			
General	1x mini USB	for Firmware Update			
	2x LED	Power/Battery, Signal Lock			
	2 x Rotary Switch	Function, Mode Change			
	1 x Tact Switch	Selection Switch			
	Power Requirement	4DC (7V~24V) or AC Adapter(100 ~ 230V, 50Hz/60Hz)			
	Power Consumption	6W			
	Operation Temperature	-10°C ~ 40°C (14°F ~ 104°F)			
	Operation Humidity	20% ~ 80% RH			
	Dimensions(WxHxD)	Main Body : 84 x 117.2 x 34.5(mm) / 3.3 x 4.6 x 1.3 (inch)			
	Accessories	Power Cable, Manual CD, AC Adapter			
	Options	D-Tap Power Cable, Pouch & Bag, DV Battery Mount, Tripod Support, 1RU Rack Mount Kit(x3)			

SDI-to-HDMI



BC-100SH

HDMI-to-SDI



BC-100HS

1xSDI in, 1xSDI out, 1xHDMI out

An affordable and reliable mini converter with convenience.



BC-200SH

SDI to HDMI Converter



BC-200HS

HDMI to SDI Converter

SDI-to-HDMI, HDMI-to-SDI

Converts with scaling & Closed caption display.

1xSDI in, 1xSDI out, 1xHDMI out



BC-300SH

SDI to HDMI Converter



BC-300HS

HDMI to SDI Converter

Transmitting up to 300m

BW-300STV

Input	
1 x SDI	3G/HD/SD-SDI
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
Audio Input	
1 x Phone Jack In	3.5mm TRS, Line Level Input
Video Formats	
HD	1920 x 1080 (60p, 59.94p, 50p)
	1920 x 1080 (60i, 59.94i, 50i, 30p, 29.97p, 25p, 24p, 23.98p)
	1920 x 1080 (30psf, 29.97psf, 25psf, 23.98psf)
	1280 x 720 (60p, 59.94p, 50p)
SD	NTSC, PAL
Output	
1 x SDI	SDI Active Loop Output
Radio	
Frequency	U-NII-1(5.15~5.25 GHz), U-NII-3(5.725~5.85 GHz)
Transmission Power	TBD
Transmission Distance	up to 300m(1,000 ft)
Latency	150ms
Encoding/Decoding	H.264 Base Profile @4.2
Multiple Receivers	up to 4
General	
Battery	DV-Mount(Sony F-Type), V-Mount
Weight	700g (1.5 lbs)
Dimensions	Less than 152 x 90 x 42 mm (5.9 x 3.5 x 1.6 inch)

BW-300SRV

Output	
1 x SDI	3G/HD/SD-SDI
1 x HDMI	HDMI Out
General	
Battery	DV-Mount(Sony F Type), V-Mount
Weight	700g (1.54 lbs)
Dimensions	Less than 152 x 90 x 42 mm (5.9 x 3.5 x 1.6 inch)

* Specifications may be changed without notice.

Coming Soon

Wireless HD BW-300SV

Transmitting up to 300m (1,000ft) with 150ms latency, BON's wireless transmitter/receiver system, BW-300SV is a pair of HDMI wireless transmitter and receiver using H.264 Codec, suitable for the use in film/studio production industries.



(Transmitter)

(Receiver)

BW-100MT / 100MR

Wireless HD



BW-100MT
(Transmitter)

BW-100MR
(Receiver)

BW-100MR (Receiver)

Input	
1 x HDMI	HDMI Out
General	
1 x IR	Remote Control Unit
1 x mini USB	Firmware Update
2 x LED	Power, Link
1 x Switch	Power
Battery	DV-Mount
Power Requirements	DC (7V~17V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Operating Temperature	0°C ~ 40°C (32°F ~104°F)
Operating Humidity	20% ~ 80% RH
Weight	470g(1.03lbs)
Dimension	127.5 x 90 x 26.6 mm (5.0 x 3.5 x 1.0 inch)

BW-100M is a pair of HDMI wireless transmitter and receiver using H.264 Codec, suitable for the use in film/studio production industries.

BW-100MT (Transmitter)

Input	
1 x HDMI	HDMI (with HDCP 1.1)
Video Formats	
HD	1080p (60/59.94/50/29.97/25/24/23.98Hz), 1080i (60/59.94/50Hz), 720p(60/59.94/50Hz)
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(500 feet), 500m(1600 feet, with special antenna)
Latency	20ms
Modulation	IEEE 802.11 a/n : OFDM
Encoding/Decoding	H.264 Base Profile @4.2
Antenna	2T x 2R
Security	802.11i compatible signal protection by 128bit AES encryption
Multiple Receivers	up to 3. (Maximum distance may decrease due to signal division)
General	
1 x mini USB	Firmware Update
2 x LED	Power, Link (Connection)
2 x Switch	Pairing, Power
Battery	DV-Mount
Power Requirements	DC (7V~17V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Operating Temperature	0°C ~ 40°C (32°F ~104°F)
Operating Humidity	20% ~ 80% RH
Weight	470g(1.03lbs)
Dimension	127.5 x 90 x 26.6 mm (5.0 x 3.5 x 1.0 inch)

BW-100ST/BW-100SR is a pair of HDMI & HD-SDI wireless transmitter and receiver using H.264 Codec, suitable for the use in film/studio production industries.

BW-100ST (Transmitter)

Input	
1 x BNC	3G/HD/SD-SDI
1 x HDMI	HDMI, (with HDCP v.1.1), 19pin Female
Audio Input	
1 x Phone Jack In	3.5mm TRS, Line Level Input
Radio	
HD	1920 x 1080 (60p, 59.94p, 50p) 1920 x 1080 (60i, 59.94i, 50i, 30p, 29.97p, 25p, 24p, 23.98p) 1920 x 1080 (30psf, 29.97psf, 25psf) 1280 x 720 (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(500 feet), 500m(1600 feet, with special antenna)
Latency	20ms
Encoding/Decoding	H.264 Base Profile @4.2
Antenna	2T x 2R SMA Female
Security	802.11i compatible signal protection by 128bit AES encryption
Multiple Receivers	up to 3. (Maximum distance may decrease due to signal division)
General	
1 x GPIO	GPI-7 Port, RJ-45P Jack
2 x mini_USB	F/W Update (MAIN , MICOM)
4 x LED	Power, Link, Battery, Tally
4 x Switch	Reset, Pairing, Input Selection, Power
Battery	V-Mount, DV-Mount
Power Requirements	DC (7V~17V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	10W
Operating Temperature	-10°C ~ 40°C (14°F ~104°F)
Operating Humidity	20% ~ 80% RH
Weight	870g(1.92lbs)
Dimension	152.2 x 90.0 x 42.2 mm (5.9 x 3.5 x 1.6 inch)
Multiple Receivers	up to 4. (Maximum distance may decrease due to signal division)

Wireless HD BW-100ST / 100SR



BW-100ST
(Transmitter)



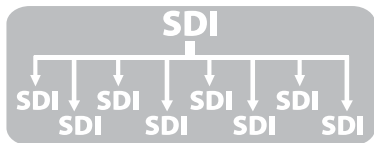
BW-100SR
(Receiver)

BW-100SR (Receiver)

Input	
2 x BNC	3G/HD/SD-SDI
1 x HDMI	HDMI Out
General	
1 x IR	Remote Control Unit
1 x GPIO	GPI-7 Port, RJ-45P Jack
1 x mini USB	for Firmware Update
4 x LED	Power, Link, Battery, Tally
Battery	V-Mount, DV-Mount
Power Requirements	DC (7V~17V) or AC Adaptor(100 ~ 230V, 50Hz/60Hz)
Power Consumption	9W
Operating Temperature	-10°C ~ 40°C (14°F ~104°F)
Operating Humidity	20% ~ 80% RH
Weight	870g
Dimension	152.2 x 90.0 x 42.2 mm (5.9 x 3.5 x 1.6 inch)

SDI Splitter

BDA-HD108S



BDA-HD108S

BDA-108S is a 1-to-8 SDI distributor which accepts 3G/HD/SD SDI signals, carrying SDI signals and the formats while maintaining the quality of the picture.

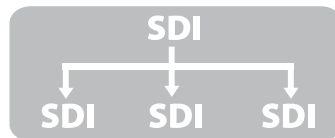
Input	
1 x BNC	3G/HD/SD-SDI
Output	
8 x BNC	3G/HD/SD-SDI, Distributed SDI Output
Radio	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTE 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
2K, SMPTE 428M	2048*1080, 24p/psf, 23.98p/psf
SMPTE 274M/292M	1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 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
General	
Power Requirements	AC Adaptor(100 ~ 230V, 50Hz/60Hz) - 5V/1A
Power Consumption	3W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Dimensions(WxHxD)	Main Body : 73.0 x 90.0 x 20.0(mm) / 2.87 x 3.54 x 0.78 (inches)
Accessories	• AC Adaptor • AC Power Cord • SET Bracket

BDA-HD103S

BDA-103S is a 1-to-3 SDI distributor which accepts 3G/HD/SD SDI signals, carrying SDI signals and the formats while maintaining the quality of the pictures.

Input	
1 x BNC	3G/HD/SD-SDI
Output	
3 x BNC	3G/HD/SD-SDI, Distributed SDI Output
Radio	
SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTE 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
2K, SMPTE 428M	2048*1080, 24p/psf, 23.98p/psf
SMPTE 274M/292M	1920*1080i (60, 59.94, 50) 1920*1080p (30, 29.97, 25, 24, 24sF, 23.98, 23.98sF)
SMPTE 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
General	
Power Requirements	AC Adaptor(100 ~ 230V, 50Hz/60Hz) - 5V/1A
Power Consumption	2.7W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Dimensions(WxHxD)	Main Body : 54.8 x 59.0 x 20.0(mm)
Accessories	• AC Adaptor • AC Power Cord • SET Bracket

SDI Splitter BDA-HD103S



HDMI-Routing Switchers

BRS-HD1010M

10xHDMI in, 10x HDMI out

routes HDMI signals with accurate color reproduction



BRS-HD1010M

Featuring 1RU rack-mountable size, BRS-HD1010M offers 10 SDI input & output ports with the reliable and long-lasting SDI re-clocking feature.

Input	
10 x HDMI	HDMI 1.4a (with HDCP v.1.3), 19pin Female
Output	
10 x HDMI	HDMI 1.4a (with HDCP v.1.3), 19pin Female
Input Signal Format	
HDMI Digital	~ 1080p(60)

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	AC100-230V(50/60Hz)
Power Consumption	60W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Weight	TBD
Dimensions(WxHxD)	440 X 180 X 44 mm(17.3 x 7.1 x 1.7 inches)
Accessories	• Power Cable • Manual
Option	TBD

SDI-Routing Switchers

BRS-HD1616S

16xSDI in, 16xSDI out

routes SDI signals without jitter for 24-hour reliability



BRS-HD1616S

Featuring 1RU rack-mountable size, BRS-HD1616S offers 16 SDI input & output ports with the reliable and long-lasting SDI re-clocking feature.

Input	
16 x BNC	3G/HD/SD-SDI
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p
Output	
16 x BNC	3G/HD/SD-SDI, Selected SDI Output
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

General	
1 x Rotary	for setting the machine address of the unit (1~16)
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 Adapter 100-230V(50/60Hz)
Power Consumption	31W
Operating Temperature	0°C ~ 40°C (32°F~104°F)
Operating Humidity	20% ~ 80% RH
Weight	2.7kg(5.95lbs)
Dimension(WxHxD)	440.0 x 326.5 x 44.0 mm
Accessories	• Power Cable • Manual



BON ELECTRONICS Inc.

BON Electronics is a trusted supplier and manufacturer based in Seoul, South Korea since 1986. BON has been manufacturing high end professional and field monitors worldwide. There are 30 models of monitors from 5 inch to 46 inch with 2 year manufacturer limited warranty.

Worldwide Distributor



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- Based in Seoul, Korea . - 2 Year Limited Manufacturer Warranty

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ABOUT BON...

Since its foundation in 1986 in Seoul, Korea, BON Electronics has specialized in developing and manufacturing multi-format broadcast monitors, total broadcasting system, wireless system and other multimedia products to meet the need of the current multimedia and professional video market.

The primary goal of BON Electronics is provide the support to today's professionals in cooperation with BON's partners worldwide, by matching the best and the latest technology to the creative and budgetary objectives of the customers.

BON Electronics has done its best to occupy the front runner's position in global market and it will now strive to maintain that position for the decades to come.

Thank you.



BON Monitors



FM-055F

5.5"
Field Monitor
Full HD
(1920x1080)



FM-055F

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For sales in Americas --> sales@uteleven.com