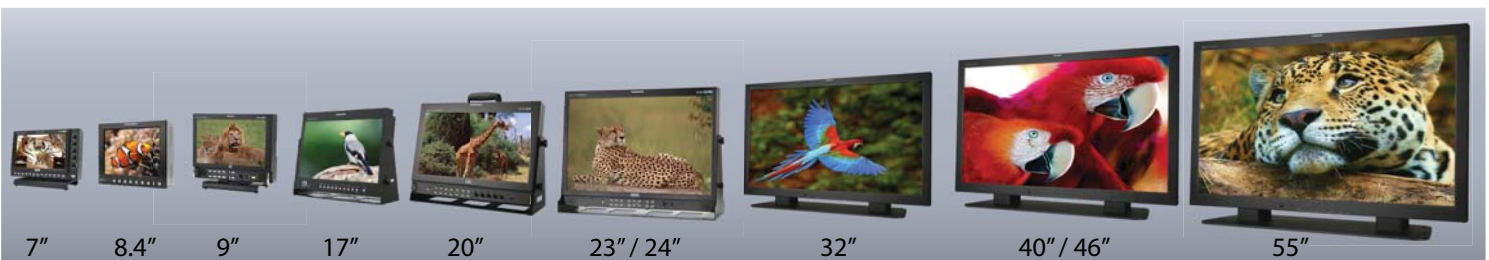


Since 1986



Beyond brOadcast moNitors

Broadcasting Multi-Format LCD MONITORS

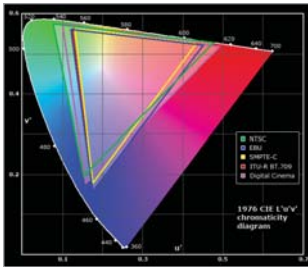


MODEL TABLE to distinguish the different points

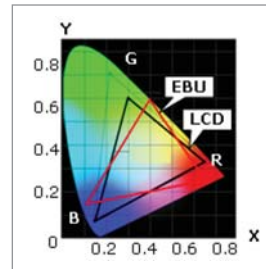
Model Series	BLM		BPM			BDM			BXM		BQM	BTM	STM	BPM		
	Cost Effective		Various Function			Single	Dual	3G	For Grade 1	Various Function	For Quad	For Wall	For Ad or Display	For Field		
Model Number (Inch Size) The Points					071											071S
	084															
			090 (090MS)												090S	
		170		170LS		170LS	170LD			170LS	170LS	170LS				170LSS
				200LS												
		240		240LS		240LS	240LD	241L3G	230N3G	240LS	240LS	240LS				
				320LS												
														400S		
														460S		
													550L (120Hz)			
LCD Panel	NEC	LG	NEC (Mitsubishi)	LG	SAMSUNG	LG			NEC	LG	LG	LG	LG	NEC	LG	SAMSUNG
LCD Panel Color Depth	8Bit	8Bit	8Bit	8Bit	8Bit	8Bit	8Bit	10Bit	10Bit	8Bit	8Bit	8Bit	8Bit	8Bit	8Bit	8Bit
Hardware Color Signal process	8Bit	8Bit	8Bit	8Bit	8Bit	10Bit	10Bit	10Bit	12Bit	12Bit	10Bit	10Bit	10Bit	8Bit	8Bit	8Bit
Scaler and firmware version Series	L	L	L	L	L	D	D	D	BX	BX	D	T	T	L	L	L
Single(s)/Dual(d)/3G(3G)	s	s	s	s	s	s	d	3G	3G	s	s	s	s	s	s	s
HDMI with HDCP				o	o (071 not support)	o	o	o	o	o	o	o	o	o	o	o
LED Back Light					071(o)											071(o)
Signal Format	1.5G	1.5G	1.5G	1.5G	1.5G	1.5G	1.5G (2CH)	3G	3G	1.5G	1.5G	1.5G	1.5G	1.5G	1.5G	1.5G
Quad																
Waveform/Vector	Only Waveform		o	o	o	o	o	o	o	o	o	o		o	o	o
Waveform/Vector Same Time Display			o	o	o									o	o	o
Closed Caption	CEA608		CEA608/708/Transcoded											CEA608/708/Transcoded		
Pap/Pip			o	o	o	o	o	o	o	o				o	o	o
H/V Flip			o	o	o									o	o	o
Video Range check									o	o						
Focus Assistant									o	o						
USB Port (Update)									o	o						
3D-LUT used in Percise Calibration for color Space								o	o							
Back Light Control system of Auto thermal Drift Compensation									o							

Features Highlight

Selectable Color Spaces(EBU, NTSC, SMPTE-C, BT709, D-Cinema, Native, User)



Selectable color spaces of EBU, NTSC, SMPTE-C, BT709, D-Cinema, Native, User with BON auto Calibration Software. BDM-241L3G and BXM-230N3G Model has enabled the widest color space of 3D-LUT capability ever offered in a BON monitor to fully cover broadcast-standard color spaces.

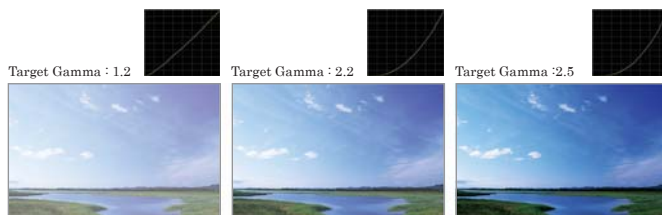


EBU Color Space

For outstanding picture performance, BON products provide accurate colors in accordance with SMPTE and EBU global standard. BON LCD display are factory calibrated closely to REC 709 specifications and remain in color alignment considerable longer than CRT display that end to "drift" and change colourimetry noticeably over time. The digital technology of BLM give more constant and reliable colourimetry.

Selectable Gamma mode G1.0 up to 3.0 by users.

BDM-241L3G and BXM-230N3G model is built with 10bit processing and supports fast response time with accurate color reproduction and quality picture consistency that meets HD & SD monitoring application.



3G Signal Input, Uniformity Correction

BDM-241L3G and BXM-230N3G Model is Support 3 Gbps with 1080 50/60p signal input capability.



1 Konica Minolta CA-210
1 Kevin K-10 Probe

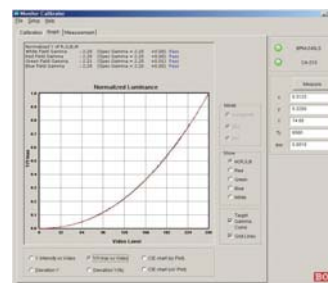
ICAC (Intelligent Connection for Alignment & Calibration)

BON ICAC tools allow a perfect color alignment to our new and advanced monitors.

Our ICAC is compatible with two different color probes;

10 Bit LCD Panel and 12bit Processing

BXM-230N3G model is built with 10bit PANEL and 12 bit processing and supports fast response time with accurate color reproduction and quality picture consistency that meets HD & SD monitoring application.



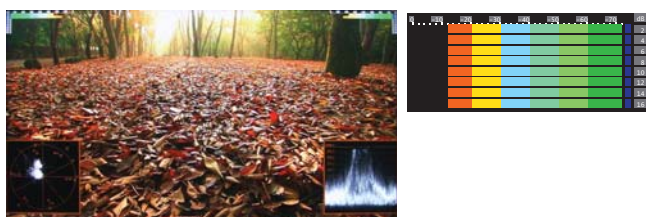
Auto color Calibration Software (SMPTE-C, ITU-R BT 709 standard color temperature, Gamma, Luminance Level precision adjustment)

For making BON Monitors suitable for professional broadcasting applications, compensation is conducted for BON

Monitor series in 256(8bit) or 1024(10bit) discrete RGB step, rated gamma properties are reproduced, and gradation suitable for broadcasting is achieved.

Friendly Audio Level Meter

New Audio Level Bar will be displayed with natural color gradation along with detailed scale. Also this new audio level bar added audio DB Value, Peak Hold function, each channel digit into its configuration so that user can easily read the audio level value.



Good Readability under Sunlight



Normal

Field Monitor

- Minimized surface reflection
- Quick Daylight Button to fit outdoor

Features Highlight



Dual Channel Display

Dual Display and Split Screen (PAP & PIP) with Freezing mode

Dual Display (PIP and PaP) function enable two input signals to be displayed with Freezing mode side by side which is very useful for camera and monitoring operation.



Closed Caption Function covering various encoders (CEA 608, CEA 708/Compatible with HDE-3000, Evertz HD9084, Evertz 8084AD)

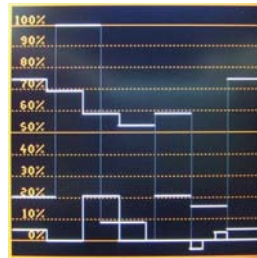
This function is available in composite, YPbPr and Digital (HD/SD-SDI) signal. There are three selectable mode: Off, CC708, CC608 (Transcoded, VANC, Line21). This function displays character information included in CC signal on the screen.

Waveform and Vector Scope Display

You can adjust brightness and transparency both in waveform and Vector.



75% Scale 100% Scale



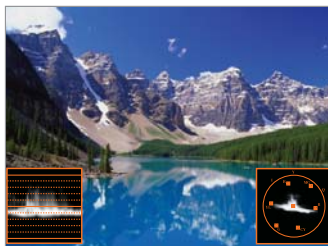
Selectable between Y,Cb,Cr



Display V-Chip Data

This function is intended to manage all children's television watching. The V-chip systematically works much like closed captioning as it uses the vertical blanking interval in the television signal to send and receive a special code in the programming that indicated the Show's score according to a simple numerical rating system for violence, sex, and language.

The rated program's signals are encoded according to the rating, on line 21 of the broadcast signal's vertical blanking interval of using the XDS protocol, and this is detected on the television screen with V-chip. If the program's rating is outside the level configured as acceptable on any television, the program is blocked or shown with the data.



Waveform/Vector same time display

Input video is displayed with waveform and vector scope at the same time.



H/V FLIP Mode

This flip function is perfect for use in the studio field and allows negative image, test cueing, script looping and so on. When reporters have webcams, video podcast, news report and corporate video, the flip mode can help a correct word content to reporters.

Video Range Check Fuction

Operator can select and limit the desirable Luminance or chrominance area from video signal using Y/C Video Level check function. If the luminance or chrominance is over or under than selected level, then, operator can easily notice and control the Camera Input signal into the desirable range.



Focus Assist Fuction

This is the function which displays input signal's Focus Edge. This function is very useful for operators to control desirable camera video input, watching its focus.



Model

084



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 3 x Analog(BNC)
- Output : 1 x HD/SD-SDI (BNC, Selected Active Thru Out) 3 x Analog Loop Out(BNC)

- LCD Resolution : 1024x768(4:3)
- Dot Pitch : 0.165mm
- Color-16.7M(True), 24Bit
- Contrast 400:1
- View Angle : 170 degree

- Video Loss Detect Function
- Embedded Audio Level Meter(16CH)
- Waveform Function
- Closed Caption(CEA608)
- Fast Mode
- Remote(RJ45)
- Selectable Mount option for V-mount / Anton bauer / DV-battery

Specifications

Model	BLM-084	
Input	SDI Input	2EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack
	Analog Input	3EA, Composite, YC(S-Video), Component, RGB, BNC Jack
	DVI-RGB Input	1EA, DVI + Analog Jack (with gender) (24Pin + 5Pin)
	DVI Input	1EA, DVI-I, 24pin, Female
Output	SDI Output	1EA, BNC, SDI-Selected Active Output
	Analog Loop Output	3EA, 75Ω, BNC Jack (Option)
Input Signal Format	2K Format	2048*1080, 24p/psf, 23.98p/psf
	SMPTE 274M	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
	ITU R-BT.656	720*576i/50
	Component	640 X 480 up to 1920 X 1080p
	DVI Digital	640 X 480 up to 1920 X 1200
	DVI-RGB Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200
Audio	Input Line	1EA, L/R Stereo, RCA Jack
	Speaker Output	1EA, L/R Stereo, RCA Jack
	Ear-phone Output	1EA, L/R Stereo, 3.5mm pin jack
I/O Port	Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port
	Update	1EA, RJ-11P Jack, PC Serial interface
LCD	Size	8.4"
	Resolution	1024 x 768(4:3)
	Pixel Pitch	0.1665 mm
	Color	16.7M
	Viewing Angle(deg)	R/L:170, U/D:170
	Luminance of White	400 cd/m ²
	Contrast	400 : 1
	Display Area (H X V)	170.5 x 127.9 mm
Power Requirements	DC 12V/5.0A,	
Power Consumption(Approx)	0.3A - 0.2A(25W)	
Weight (without Stand & Packing)	2.2 kg	
Dimension(W*H*D)without Box&Stand	207x177x66.8 mm	
Option Accessory	• Rack Mount , Hood&Handle . V-Mount / Anton bauer / DV-battery, Tripod Head, Carring Case	

Model Series

BLM

Cost Effective

Model

170

240



View



Front



Rear

Features

- 1366x768 resolution with high contrast 900:1
- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 3 x Analog(BNC)
- Output : 1 x HD/SD-SDI (BNC, Selected Active Loop) 3 x Analog Loop Out(BNC)
- HD level YPbPr Support
- Video Loss Detect Function
- 1:1 Pixel Mapping Mode for SD/HD
- Audio Disembler&Speakers
- Embedded Audio Level Meter(16CH)
- Waveform Function, Timecode display
- Closed Caption(CEA608)
- Fast Mode
- PaP(Picture and Picture) function
- Video Loss Detect Function
- Optional 19" Rack Mount Kit available(VESA)

Specifications

	Model	BLM-170	BLM-240
Input	SDI Input	2EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack	
	Analog Input	3EA, Composite, YC(S-Video), Component, RGB, BNC Jack	
	DVI-RGB Input	1EA, DVI + Analog Jack (with gender) (24Pin + 5Pin)	
	DVI Input	1EA, DVI-I, 24pin, Female	
Output	SDI Output	1EA, BNC, SDI-Selected Active Output	
	Analog Loop Output	3EA, 75Ω, BNC Jack	
Input Signal Format	2K Format	2048*1080, 24p/psf, 23.98p/psf	
	SMPTE 274M	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	
	ITU R-BT.656	720*576i/50	
	Component	640 X 480 up to 1920 X 1080p	
	DVI Digital	640 X 480 up to 1920 X 1200	
Audio Input	DVI-RGB Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200	
	Input Line	1EA, L/R Stereo, RCA Jack	
	Speaker Output	1EA, L/R Stereo, RCA Jack	
	Ear-phone Output	1EA, L/R Stereo, 3.5mm pin jack	
I/O Port	Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port	
	Update	1EA, RJ-11P Jack, PC Serial interface	
LCD	Size	17"	24"
	Resolution	1366 X 768(16:9)	1920 X 1200
	Pixel Pitch	0.091x0.273 mm	0.270 mm
	Color	16.7M	16.7M
	Viewing Angle(deg)	R/L:178, U/D:178	R/L:178, U/D:178
	Luminance of White	350 cd/m ²	400 cd/m ²
	Contrast	900 : 1	1000 : 1
	Display Area (H X V)	372.91 x 209.66 mm	518.4 x 324 mm
Power Requirements	DC12V/5.5A, AC100-230V, 50/60Hz		AC 100 - 230V, 50Hz/60Hz
Power Consumption(Approx)	0.65A - 0.34A(65W)		1.0 A - 0.5A(100W)
Weight (without Stand & Packing)	7.0 kg		14.0Kg
Dimension(W*H*D)without Box&Stand	421.6x309x95.3 mm		554.6x395x90.8mm
Option Accessory	• Rack Mount , Hood&Handle , V-Mount / Anton bauer / DV-battery, Tripod Head, Wall Mount		

Model

071

View



Front



Rear

Features

- 7 inch LED Backlight Wide screen LCD Panel
- Input : 1 x HD/SD-SDI(BNC), 1 x DVI, 3 x Analog(BNC)
- Output : 1 x HD/SD-SDI(BNC)



- Waveform, Vector Scope(Same time display)
- Vector Scope (75%, 100%mode display),
- Closed Caption(CEA608/CEA708)
- V-Chip Data display for SD-SDI, Analog
- H/V FLIP Mode
- Fast Mode
- Video Loss Detect Function
- PaP function (Picture and Picture)
 - >Comparing 2 video each other on Freezing mode
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)
- Selectable Mount option for V-mount / Anton bauer / DV-battery

Specifications

Model	BPM-071	
Input	HD/SD-SDI Input	1EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack
	Analog Input	3EA,Composite, YC(S-Video), YPbPr,RGB,BNC Jack
	PC-RGB(VGA) Input	1EA,DVI + Analog Jack (with gender) (24Pin + 5Pin)
	DVI Input	1EA, DVI-I, 24pin, Female
Output	SDI Output	1EA, BNC, Active Loop Output
	2K Format	2048*1080,24p/psf,23.98p/psf
Input Signal Format	SMPTE 274M	1920*1080i/60,59.94,50,24sf, 23.98sf 1920*1080p/30,29.97,25,24,23.98
	SMPTE 296M	1280*720p/60,59.94,50
	SMPTE 260M	1920*1035i/60,59.94
	SMPTE 259M,125M	720*480i/60,59.94
	ITU R-BT.656	720*576i/50
	Component	640 X 480 up to 1920 X 1080p
	DVI	640 X 480 up to 1920 X 1200
Audio	PC-RGB(VGA) Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200
	Input	1EA, L/R Stereo, Stereo pin jack
I/O Port	Output	1EA, L/R Stereo, Stereo pin jack
	Speaker Output	1EA, 1W
	GPI Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port
LCD	Serial Update	1EA, RJ-11P Jack, RS-422, Serial interface
	Size	7.0"
	Resolution	800*480
	Pixel Pitch	0.1905x0.1905 mm
	Color	16.7M
	Viewing Angle(deg)	R/L:130, U/D:110 (R/L:140, U/D:140)
	Luminance of White	350 cd/m ²
Contrast	400:1	
Display Area (H X V)	152.4 x 91.44 mm	
Power Requirements	DC 12V or AC Adaptor(100 - 230V,50Hz/60Hz)	
Power Consumption	0.1 - 1A(12W)	
Weight (without Stand & Packing)	1.2 kg	
Dimension(W*H*D) w/o Box&Stand	203x131x52 mm	
Option Accessory	• Rack Mount , Hood&Handle , Sunvisor , Tripod Head , V-Mount / Anton bauer / DV-battery	

Model Series

BPM

Field Monitor

Model

090
090MS



View



Front



Rear

Features

- 9" Wide Screen(800x480) Panel
- Input : 2 x HD/SD-SDI(BNC), 1 x DVI, 3 x Analog(BNC)
- Output : 1 x HD/SD-SDI(BNC)
- Waveform, Vector Scope(Same time display)
- Vector Scope (75%, 100%mode display),
- Closed Caption(CEA608/CEA708)
- V-Chip Data display for SD-SDI, Analog
- H/V FLIP Mode
- Fast Mode
- Video Loss Detect Function
- PaP function (Picture and Picture)
 - >Comparing 2 video each other on Freezing mode
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)
- Selectable Mount option for V-mount / Anton bauer / DV-battery

Specifications

Model		BPM-090	BPM-090MS
Input	HD/SD-SDI Input	2EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack	
	Analog Input	3EA, Composite, YC(S-Video), Component, RGB, BNC Jack	
	PC-RGB(VGA) Input	1EA, DVI-I to VGA Jack (with gender)	
	DVI Input	1EA, DVI-I, 24pin, Female	
Output	SDI Output	1EA, BNC, SDI-Selected Active Loop Output	
	2K Format	2048*1080, 24p/psf, 23.98p/psf	
Input Signal Format	SMPTE 274M	1920*1080i/60, 59.94, 50	
	SMPTE 296M	1920*1080p/30, 29.97, 25.24, 23.98, 23.98sf	
	SMPTE 260M	1280*720p/60, 59.94, 50	
	SMPTE 259M, 125M	1920*1035i/60, 59.94	
	ITU R-BT.656	720*480i/60, 59.94	
	Component	720*576i/50	
	DVI	640 X 480p up to 1920 X 1080p	
	PC-RGB(VGA) Mode	640 X 480p up to 1280 X 1024p, max 1600 X 1200p	
Audio	Input	1EA, L/R Stereo, Stereo pin jack	
	Output	1EA, L/R Stereo, Stereo pin jack	
	Speaker Output	2EA, 2W+2W	
I/O Port	GPI Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port	
	Serial Update	1EA, RJ-11P Jack, RS-422, Serial interface	
LCD	Size	9"	9"
	Resolution	800*480	960*240
	Pixel Pitch	0.246x0.246 mm	0.207x0.207mm
	Color	16.7M(8bit+FRC)	16.7M
	Viewing Angle(deg)	R/L:176, U/D:176	R/L:170, U/D:170
	Luminance of White	350 cd/m ²	400 cd/m ²
	Contrast	700 : 1	1000 : 1
	Display Area (H X V)	196.8 x 118.08 mm	198.72 x 111.78 mm
Power Requirements	DC 12V or AC Adaptor(100 - 230V, 50Hz/60Hz)		
Power Consumption	0.1A - 1.5 A(15W)		
Weight (without Stand & Packing)	1.5 kg		
Dimension(W*H*D) w/o Box&Stand	223x177x160 mm		
Option Accessory	• Rack Mount , Hood&Handle , Sunvisor , Tripod Head , V-Mount / Anton bauer / DV-battery		

Model

170LS
200LS
240LS



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 3 x Analog(BNC), 1 x HDMI
- Output : 1 x HD/SD-SDI (BNC, Selected Active Loop) 3 x Analog Loop Out(BNC)

- Waveform, Vector Scope(Same time display)
- Vector Scope (75%, 100%mode display),
- Closed Caption(CEA608/CEA708)
- V-Chip Data display for SD-SDI, Analog
- H/V FLIP Mode
- Fast Mode
- Video Loss Detect Function
- PaP function (Picture and Picture) ->Comparing 2 video each other on Freezing mode
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)

Specifications

Model	BPM-170LS	BPM-200LS	BPM-240LS	
Input	HD/SD-SDI Input	2EA, HD/SD Serial Digital , 1.485G/270M .BNC Jack		
	Analog Input	3EA,Composite,YC(S-Video),Component,RGB,BNC Jack		
	PC-RGB(VGA) Input	1EA, DVI-I to VGA Jack (with gender)		
	DVI Input	1EA, DVI-I, 24pin, Female		
	HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female		
Output	SDI Output	1EA, BNC, SDI-Selected Active Loop Output		
	Analog Loop Output	3EA, 75Ω,BNC Jack		
Analog Output Level	Composite(CVBS)	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		
	DVI-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p		
Input Signal Format	SMPT E 428M	2048*1080,24p/psf,23.98p/psf		
	SMPT E 274M	1920*1080i/60,59.94,50		
		1920*1080p/30,29.97,25,24,23.98,23.98sf		
	SMPT E 296M	1280*720p/60,59.94,50		
	SMPT E 260M	1920*1035i/60,59.94		
	SMPT E 259M,125M	720*480i/60,59.94		
	ITU R-BT.656	720*576i/50		
	Component	480i/p ~ 1920 * 1080i/p		
	HDMI Digital	~ 1920 * 1200i/p(de-embedded Audio 2ch)		
	DVI Digital	480i/p ~ 1920 * 1080i/p		
Audio Input	PC-RGB(VGA) Mode	480i/p ~ 1920 * 1080i/p		
	Input	1EA, L/R Stereo, Stereo pin jack		
Audio Output	SDI Audio Input	Embedded HD/SD-SDI Audio		
	Output	1EA, L/R Stereo, Stereo pin jack		
	Speaker Output	2EA, 2W+2W		
	Ear-phone Output	1EA, L/R Stereo, 3.5mm Stereo pin jack		
I/O Port	Output Signal	Input Line & De-embedded Audio, 1~ 16CH		
	GPI Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port		
LCD	Serial Update	1EA, RJ-11P Jack, RS-422, Serial interface		
	Size	17"	20"	24"
	Resolution	1366 * 768	1366 * 768	1920 * 1200
	Pixel Pitch	0.091x0.273 mm	0.108x0.324 mm	0.270 mm
	Color	16.7M	16.7M	16.7M
	Viewing Angle(deg)	R/L:178, U/D:178	R/L:178, U/D:178	R/L:178, U/D:178
	Luminance of White	350 cd/m²	410 cd/m²	400 cd/m²
	Contrast	900 : 1	600 : 1	1000 : 1
	Display Area (H X V)	372.91 x 209.66 mm	443.6 x 249.4 mm	518.4 x 324 mm
	Power Requirements	DC 12V/5.5A, AC 100 ~ 230V,50Hz/60Hz		AC 100 ~ 230V, 50Hz/60Hz
Power Consumption	0.65A ~ 0.34A(65W)		0.7A ~ 0.4A (70W)	
Weight (without Stand & Packing)	7.0 kg		9.5 Kg	
Dimension(W*H*D) w/o Box&Stand	420.5x310x98 mm		479x328x96.0 mm	
Option Accessory	• Rack Mount		• Wall Mount	
	• Hood & Carrying Case (17")			

Model Series

BPM

Various Function

Model

321LS
400SS
460SS



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 3 x Analog(BNC) 1 x HDMI
- Output : 1 x HD/SD-SDI (BNC, Selected Active Loop) 3 x Analog Loop Out(BNC)
- Waveform, Vector Scope(Same time display)
- Vector Scope (75%, 100% mode display),
- Closed Caption(CEA608/CEA708)
- V-Chip Data display for SD-SDI, Analog
- H/V FLIP Mode
- Fast Mode
- Video Loss Detect Function
- PaP function (Picture and Picture) ->Comparing 2 video with each other on Freezing mode
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)

Specifications

Model	BPM-321LS	BPM-400SS	BPM-460SS	
Input	HD/SD-SDI Input	2EA, HD/SD Serial Digital, 1.485G/270M, BNC Jack		
	Analog Input	3EA, Composite, YC(S-Video), Component, RGB, BNC Jack		
	PC-RGB(VGA) Input	1EA, DVI-I to VGA Jack (with gender)		
	DVI Input	1EA, DVI-I, 24pin, Female		
	HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female		
Output	SDI Output	1EA, BNC, SDI-Selected Active Loop Output		
	Analog Loop Output	3EA, 75Ω, BNC Jack		
Analog Input Level	Composite(CVBS)	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		
	DVI-RGB_Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p		
	Input Signal Format	SMPTE 428M	2048*1080/24p/psf, 23.98p/psf	
SMPTE 274M		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		
ITU R-BT.656		720*576i/50		
Component		480i/p ~ 1920 * 1080i/p		
HDMI Digital		~ 1920 * 1200i/p(de-embedded Audio 2ch)		
DVI Digital		480i/p ~ 1920 * 1080i/p		
PC-RGB(VGA) Mode		480i/p ~ 1920 * 1080i/p		
Audio Input	Input	1EA, L/R Stereo, Stereo pin jack		
	SDI Audio Input	Embedded HD/SD-SDI Audio		
	Output	1EA, L/R Stereo, Stereo pin jack		
Audio Output	Speaker Output	2EA, 2W+2W		
	Ear-Phone Output	1EA, L/R Stereo, 3.5mm Stereo pin jack		
	Output Signal	Input Line & De-embedded Audio, 1~ 16CH		
I/O Port	GPI Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port		
	Serial Update	1EA, RJ-11P Jack, RS-422, Serial interface		
LCD	Size	32"	40"	46"
	Resolution	1920 * 1080	1920 * 1080	1920 * 1080
	Pixel Pitch	0.363 mm	0.46125mm	0.53025 mm
	Color	16.7M	16.7M	16.7M
	Viewing Angle(deg)	R/L:178, U/D:178	R/L:178, U/D:178	R/L:178, U/D:178
	Luminance of White	500 cd/m²	450 cd/m²	450 cd/m²
	Contrast Ratio(DCR)	1300:1	4000:1	4000:1
	Display Area (H X V)	697.68 x 392.26 mm	885.6 x 498.15mm	1018.8 x 572.67 mm
Power Requirements	AC 100 ~ 230V, 50Hz/60Hz			
Power Consumption	1.2A~ 0.7A (100W)	1.65A~ 0.75A(110W)	1.8A~ 0.82(120W)	
Weight (without Stand & Packing)	32Kg	36Kg	40Kg	
Dimension (W X H X D) without Box & Stand	784.6x489x490 mm	907.6x558.5x105.6 mm	1018.4x620x106mm	
Option Accessory	• Wall Mount	• Stand		

Model Series

BDM

10 Bit Processing

Model

170LS
240LS



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 1 x VGA, 3 x Analog(BNC), 1 x Y/C(S-Video), 1 x HDMI
- Output : 1 x HD/SD-SDI (BNC, Selected Active Loop) 3 x Analog Loop Out(BNC)

- 10 bit color processing
- Waveform, Vector Scope
- Closed Caption(CEA608/CEA708)
- Dual Display and Spilt Screen(Pap&Pip) with Freezing -> 2 x HD/SD-SDI
- Fast Mode
- Video Loss Detect Function
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)

Specifications

	Model	BDM-170LS	BDM-240LS
Input	SDI Input	2EA, HD/SD Serial Digital , 1.5G/270M .BNC Jack	
	Analog Input	3EA,Composite, Component,RGB,BNC Jack	
	Y/C Input	1EA, S-Video Jack	
	PC-RGB(VGA) Input	1EA, D-SUB 15pin Jack	
	DVI Input	1EA, DVI-I, 24pin, Female	
	HDMI Input	1EA, HDMI with HDCP, 19pin Female	
	Output	SDI Output	1EA, BNC, SDI-Selected Active Output
Analog Loop Output		3EA, 75Ω,BNC Jack	
Analog Input Level	Composite	1.0Vp-p(with sync), NTSC/PAL	
	Y(CS-Video)	Y :1.0Vp-p, C:0.286Vp-p	
	Component(Y/Pb/Pr)	Y :1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p	
	Component (R/G/B)	G :1.0Vp-p(with Sync), B :0.7Vp-p, R :0.7Vp-p	
Digital Input Format	DVI-RGB, Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p	
	2K Format	2048*1080/24p/psf,23.98p/psf	
	SMPTE 274M	1920*1080i/60,59.94,50	
	SMPTE 296M	1280*720p/60,59.94,50	
	SMPTE 260M	1920*1035i/60,59.94	
	SMPTE 259M,125M	720*480i/60,59.94	
	ITU R-BT.656	720*576i/50	
	Component	640 X 480 up to 1920 X 1080p	
	HDMI Digital	~ 1920 X 1200(embedded Audio,with HDCP)	
	DVI Digital	640 X 480 up to 1920 X 1200	
Audio Input	VGA Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200	
	Input Line	1EA, L/R, Stereo pin jack	
	SDI Audio Input	Embedded HD/SD-SDI Audio	
Audio Output	Output Line	1EA, L/R, Stereo pin jack	
	Speaker Output	2EA, 2W+2W	
	Ear-phone Output	1EA, L/R Stereo, 3.5mm pin jack	
	Output Signal	Input Line & De-embedded Audio, 1~ 16CH	
I/O Port	Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port	
	Update	2EA, RJ-11P Jack, RS-422, Serial interface	
LCD	Size	17"	24"
	Resolution	1366 * 768(16:9)	1920 * 1200
	Pixel Pitch	0.091x0.273 mm	0.270 mm
	Color	16.7M	16.7M
	Viewing Angle(deg)	R/L:178, U/D:178	R/L:178, U/D:178
	Luminance of White	350 cd/m²	400 cd/m²
	Contrast	900 : 1	1000 : 1
	Display Area (H X V)	372.91 x 209.66 mm	518.4 x 324 mm
Power Requirements	AC100-230V,50/60Hz		
Power Consumption(Approx)	0.65A-0.34A(65W)	0.7A-0.4A (70W)	
Weight (without Stand & Packing)	7.0 kg	9kg	
Option Accessory	• Rack Mount	• Wall Mount	
	• Hood & Carrying Case	• V-Mount / Anton bauer / DV-battery (17")	

Model Series

BDM

Dual Link Supports

Model

170LD
240LD



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 1 x VGA, 3 x Analog(BNC), 1 x Y/C(S-Video), 1 x HDMI
- Output : 2 x HD/SD-SDI (BNC, Active Loop) 3 x Analog Loop Out(BNC)

- 10 bit color processing
- Dual Link Support
- Waveform, Vector Scope
- Closed Caption(CEA608/CEA708)
- Dual Display and Spilt Screen(Pap&Pip) with Freezing -> 2 x HD/SD-SDI
- Fast Mode
- Video Loss Detect Function
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)

Specifications

	Model	BDM-170LD	BDM-240LD	
Input	SDI Input	2EA, HD/SD Serial Digital , 1.485G/270M .BNC Jack		
	Analog Input	3EA,Composite, Component,RGB,BNC Jack		
	Y/C Input	1EA, S-Video Jack		
	PC-RGB(VGA) Input	1EA, D-SUB 15pin Jack		
	DVI Input	1EA, DVI-I, 24pin, Female		
	HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female		
	Output	SDI Output	2EA, BNC, Each Channel Active Output	
Analog Loop Output		3EA, 75Ω, BNC Jack		
Composite		1.0Vp-p(with sync), NTSC/PAL		
YC(S-Video)		Y : 1.0Vp-p, C:0.286Vp-p		
Analog Input Level	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		
	DVI-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p		
	2K Format	2048*1080,24p/psf,23.98p/psf		
	Dual_YUV422	1920*1080p(60,59,94,50)		
	Dual_YUV444, / Dual_RGB444	1920*1080i(60,59,94,50),1080p(30,29,97,24,23,98), / 1280*720p(60,59,94,50)		
	SMPTE 274M	1920*1080i/60,59,94,50 / 1920*1080p/30,29,97,25,24,23,98,23,98sf		
Digital Input Format	SMPTE 296M	1280*720p/60,59,94,50		
	SMPTE 260M	1920*1035i/60,59,94		
	SMPTE 259M,125M	720*480i/60,59,94		
	ITU R-BT.656	720*576i/50		
	Component	640 X 480 up to 1920 X 1080p		
	HDMI Digital	~ 1920 X 1200(embedded Audio,with HDCP)		
	DVI Digital	640 X 480 up to 1920 X 1200		
Audio Input	DVI-RGB Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200		
	Input Line	1EA, L/R, Stereo pin jack		
	SDI Audio Input	Embedded HD/SD-SDI Audio		
	Output Line	1EA, L/R, Stereo pin jack		
	Audio Output	Speaker Output	2EA, 2W+2W	
		Ear-phone Output	1EA, L/R Stereo, 3.5mm pin jack	
		Output Signal	Input Line & De-embedded Audio, 1~ 16CH	
I/O Port	Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port		
	Update	2EA, RJ-11P Jack, RS-422, Serial interface		
LCD	Size	17"	24"	
	Resolution	1366 * 768(16:9)	1920 * 1200	
	Pixel Pitch	0.091x0.273 mm	0.270 mm	
	Color	16.7M	16.7M	
	Viewing Angle(deg)	R/L:178, U/D:178	R/L:178, U/D:178	
	Luminance of White	350 cd/m²	400 cd/m²	
	Contrast	900 : 1	800 : 1	
	Display Area (H X V)	372.91x209.66 mm	518.4x324 mm	
Power Requirements	AC100-230V,50/60Hz			
Power Consumption(Approx)	0.65A - 0.24A(55W)	0.7A - 0.4A(70W)		
Weight (without Stand & Packing)	7.0 kg	9kg		
Dimension(W*H*D)without Box&Stand	421.6x309x95.3 mm	436x329x82.8 mm		
Option Accessory	• Rack Mount • Wall Mount • Hood & Carrying Case • V-Mount / Anton bauer / DV-battery (17")			

Model Series

BDM

Real Time Color Gamut (3D LUT), 3G, Dual Link

Model

241L3G



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 1 x VGA, 3 x Analog(BNC), 1 x Y/C(S-Video), 1 x HDMI
- Output : 2 x HD/SD-SDI (BNC), 3 x Analog Loop Out(BNC)
- Real Time Color Gamut Mapping(3D LUT)
- Selectable Color Space (EBU, SMPTE-C, ITU-R BT.709, D-Cinema, Native, User)
- 3G (Level A / MS 1 Only)
- Dual Link HD-SDI (YCbCr/RGB 444, YCbCr 422)
- 10 bit color processing
- Waveform, Vector Scope
- Closed Caption(CEA608/CEA708)
- Dual Display and Split Screen(Pap&Pip) with Freezing
-> 2 x HD/SD-SDI
- Fast Mode
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)

Specifications

Model	BDM-241L3G(CCFL)	
Input	SDI Input	2EA, HD/SD Serial Digital, 3G/1.485G/270M, BNC Jack
	Analog Input	3EA, Composite, Component(YPbPr/RGB), BNC Jack
	Y/C Input	1EA, YC(S-Video), S-Jack
	PC-RGB(VGA) Input	1EA, D-SUB 15pin Jack
	DVI Input	1EA, DVI-I, 24pin, Female
	HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female
	Output	SDI Output
Analog Loop Output		3EA, 75Ω, BNC Jack
Composite		1.0Vp-p(with sync), NTSC/PAL
Analog Input Level	Y(C-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
	SMPTE 425M, 3G	Level A/B : YUV422, 1920*1080p(60, 59.94, 50)
	SMPTE 428M	2048*1080, 24p/psf, 23.98p/psf
	SMPTE 372M	Dual_YUV422/1920*1080p(60, 59.94, 50)
Digital Input Format	SMPTE 274M/292M	1920*1080i/60, 59.94, 50 / 1920*1080i/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
	ITU R-BT.656	720*576i/50
	Component	640 X 480 up to 1920 X 1080p
	HDMI Digital	~ 1920 X 1200(embedded Audio, with HDCP)
Audio Input	DVI Digital	640 X 480 up to 1920 X 1200
	PC-RGB(VGA)Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200
	Input Line	1EA, L/R, Stereo pin jack
Audio Output	SDI Audio Input	Embedded HD/SD-SDI Audio
	Output Line	1EA, L/R, Stereo pin jack
	Speaker Output	2EA, 2W+2W
	Ear-phone Output	1EA, L/R Stereo, 3.5mm pin jack
I/O Port	Output Signal	Input Line & De-embedded Audio, 1~ 16CH
	Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port
Color Coordinate	Update	2EA, RJ-11P Jack, RS-422, Serial interface
	Mapping Mode	EBU, SMPTE-C, ITB-709(HDTV), NTSC, D-Cinema(Optional), Native
LCD	Size	24"(WU4)
	Resolution	1920 x 1200
	Pixel Pitch	0.270 x 0.270 mm
	Color	1.07G(10bit_FRC) Colors
	Viewing Angle(deg)	R/L:178, U/D:178
	Luminance of White	400 cd/m²
	Contrast	1000 : 1
	Display Area (H X V)	518.4 X 324 mm
Power Requirements	Back Light	Direct light type CCFL
	Power Consumption(Approx)	AC100-230V, 50/60Hz
	Recommend Room Temperature	0.65A - 0.34A(65W)
	Weight (without Stand & Packing)	22°C (71.6°F)
	Dimension(W*H*D)without Box&Stand	14.0Kg
Option Accessory	53.8x408x99.8mm	
	• Rack Mount (Option)	• Vertical/Wall Mount (Option)
		• Hood & Carrying Case (Option)

Model Series

BXM

Grade 1 Monitor

Model

230N3G



View



Front



Rear

Features

- EBU Grade 1 class Quality
- High Frame rate 120Hz LCD Display
- 12 bit color processing
- Back Light Control system of Auto Thermal Drift Compensation
- Real Time Color Gamut Mapping(3D LUT)
- Selectable Color Space (EBU, SMPTE-C, ITU-R BT.709, D-Cinema, Native ,User)
- 3G (Level A / MS 1 Only)
- Dual Link HD-SDI (YCbCr/RGB 444, YCbCR 422)
- Focus Assistant Function
- Video Range check Function
- Waveform(line Selected), Vector Scope
- Closed Caption(CEA608/CEA708)
- Dual Display and Spilt Screen(Pap&Pip) with Freezing
-> 2 x HD/SD-SDI
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)

Specifications

Model		BXM - 230N3G
Input	SDI Input	2EA, HD/SD Serial Digital , 3G/1.485G/270M ,BNC Jack
	Component Input	3EA, Composite, Component(YPbPr/RGB,YC), BNC Jack
	Composite Input	2EA, Composite/YC(S-Video), BNC Jack
	DVI Input	1EA, DVI-I, 24pin, Female
	HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female
Output	External Sync	1EA, B.B & Tri-sync, 1.0Vp-p
	SDI Loop Output	2EA, BNC, Each Channel Through Output
	Component Loop	3EA, 75Ω,BNC Jack
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
	SMPTE 425M-A/B	1920*1080p(60,59.94,50), Level A/B
	2K Format	2048*1080,24p/psf,23.98p/psf
Digital Input Format	Dual_YUV422/1920*1080p(60,59.94,50)	
	SMPTE 372M	Dual_YUV444, Dual_RGB444/ 1920*1080i(60,59.94,50),1080p(30,29.97,24,23.98),/ 1280*720p(60,59.94,50)
	SMPTE 274M/292M	1920*1080i/60,59.94,50 / 1920*1080p/30,29.97,25,24,23.98,23.98st
	SMPTE 296M	1280*720p/60,59.94,50
	SMPTE 260M	1920*1035i/60,59.94
	SMPTE 259M,125M	720*480i/60,59.94
	ITU R-BT.656	720*576i/50
Audio Input	Component	640 X 4
	Composite	720*480i/576i,NTSC/PAL
	HDMI Signal	~1920 X 1200 (embedded Audio, with HDCP)
	DVI Signal	640 X 480 up to 1920 X 1200(VESA)
Audio Output	Input Line	1EA
	SDI Audio Input	Embedded HD/SD
	Output Line	1EA
I/O Port	Speaker Output	2EA,
	GPI Remote	1EA, GPI
	Serial	2EA,
	USB Port	1EA, Update
Color Coordinate	Ethernet Port	1EA, TCP/IP 10/100M, Web Control
	Mapping	NTSC,EBU,SMPTE
LCD	Size	22.5"
	Resolution	1920 x 1200
	Pixel Pitch	0.252 mm
	Color	1.07G(10bit) Colors
	Viewing Angle(deg)	R/L:176, U/D:176
	Luminance of White	420 cd/m²
	Contrast	800 : 1
	Display Area (H X V)	483.4x302.4 mm
	Frame Rate	96Hz~120Hz
	Back Light	Direct light type CCFL
Power Requirements		AC100-230V,50/60Hz
Power Consumption(Approx)		0.65A ~0.34A(65W)
Weight (without Stand & Packing)		14.0Kg
Dimension(W+H+D)without Box&Stand		548.6x418x579.0 mm
Accessory		• Rack Mount • Wall Mount • Hood & Carrying Case

Model Series

BXM

12 bit processing
and various function

Model

170LS
240LS



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC) 1 x DVI, 1 x VGA, 3 x Analog(BNC), 1 x Y/C(S-Video), 1 x HDMI
- Output : 1 x HD/SD-SDI (BNC), 3 x Analog Loop Out(BNC)

- 12bit color processing
- Video Range Check Display
- Focus Assistant
- Waveform(Line Selected), Vector Scope
- Input mode & Signal Status Information Display
- Selectable Interlace/ Progressive display Mode

- Closed Caption(CEA608/CEA708)
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- USB Port (Update)

Specifications

	Model	BXM - 170LS	BXM - 240LS
Input	SDI Input	2EA, HD/SD Serial Digital, 1.485G/270M, BNC Jack	
	Component Input	3EA, Component(Y/PbPr/RGB), BNC Jack	
	Composite Input	2EA, Composite(Y/C(S-Video), BNC Jack	
	DVI Input	1EA, DVI-I, 24pin, Female	
	HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female	
Output	SDI Loop Output	1EA, BNC, SDI-Selected Active Loop Output	
	Component Loop	3EA, 75Ω, BNC Jack	
	Composite Loop	2EA, 75Ω, BNC Jack	
Analog Input Level	Composite	1.0Vp-p(with sync), NTSC/PAL	
	Y/C(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	
Digital Input Format	2K Format	2048*1080, 24p/psf, 23.98p/psf	
	SMPTE 274M/292M	1920*1080i/60, 59.94, 50	
	SMPTE 296M	1280*720p/60, 59.94, 50	
	SMPTE 260M	1920*1035i/60, 59.94	
	SMPTE 259M, 125M	720*480i/60, 59.94	
	ITU R-BT.656	720*576i/50	
	Component	640 X 480 up to 1920 X 1080p	
	Composite	720*480i/576i, NTSC/PAL	
	HDMI Signal	~ 1920 X 1200(embedded Audio, with HDCP)	
	DVI Signal	640 X 480 up to 1920 X 1200(VESA)	
Audio Input	Input Line	1EA, L/R, Stereo pin jack	
	SDI Audio Input	Embedded HD/SD-SDI Audio	
Audio Output	Output Line	1EA, L/R, Stereo pin jack	
	Speaker Output	2EA, 2W+2W	
I/O Port	GPI Remote	1EA, GPI-7 Port, RJ-45P Jack	
	Serial	2EA, RS-422, RJ-11P Jack	
	USB Port	1EA, Update	
LCD	Size	17"	24"
	Resolution	1366 * 768(16:9)	1920 * 1200
	Pixel Pitch	0.091*0.273 mm	0.270 mm
	Color	16.7M	16.7M
	Viewing Angle(deg)	R/L:178, U/D:178	R/L:178, U/D:178
	Luminance of White	350 cd/m²	400 cd/m²
	Contrast	900 : 1	1000 : 1
	Display Area (H X V)	372.91 x 209.66 mm	518.4 x 324 mm
	Back Light	CCFL	CCFL
Power Requirements	AC100-230V, 50/60Hz, DC12V/6A	AC100-230V, 50/60Hz	
Power Consumption(Approx)	0.65A-0.34A(65W)	1.0A-0.5A(110W)	
Weight (without Stand & Packing)	7.0 kg	9kg	
Dimension(W*H*D)without Box&Stand	421.6x309x95.3 mm	436x329x82.8 mm	
Option Accessory	• Rack Mount • Hood & Carrying Case	• Wall Mount	

Model Series

BQM

Built in Quad Monitor

Model

170LS
240LS



View



Front



Rear

Features

- Input : 4 x HD/SD-SDI(BNC) 1 x DVI, 1 x LTC(BNC), 3 x Analog(BNC), 1 x Y/C(S-Video), 1 x HDMI
- Output : 4 x HD/SD-SDI (BNC)

- 10 bit color processing
- Waveform, Vector Scope
- Closed Caption(CEA608/CEA708)
- Timecode Display, UMD
- Fast Mode
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)

- Various display mode
- 4 picture
- 3 picture + 1 Waveform/Vector
- 2 picture + 2 Waveform/Vector
- 2 picture + 1 Waveform + 1 Vector
- 1 picture + 1 Waveform/Vector
- 1 main picture + 3 sub picture

Specifications

Model	BQM-170LS	BQM-240LS
Split Input	SDI Input Analog Input	4EA, HD/SD Serial Digital . 1.485G/270M .BNC Jack 3EA, Composite.YC(S-Video),Component(YPbPr/RGB).BNC Jack
Input Signal	DVI Input	1EA, DVI-I, 24pin, Female with PC-RGB Input
	PC-RGB(DVI) Input	1EA,DVI + Analog Jack (with gender) (24Pin + 5Pin)
Output	HDMI Input	1EA, HDMI, (with HDCP v.1.1), 19pin Female
	SDI Loop Output	4EA, BNC, Active Through Output
Analog Input Level	Composite(CVBS)	1.0Vp-p(with sync), NTSC/PAL
	YC(S-Video)	Y :1.0Vp-p, C:0.286Vp-p
Component (R/G/B)	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	PC-RGB(DVI),Sync	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p
	2K Format	2048*1080,24p/psf,23.98p/psf
Input Signal Fomat	SMPTTE 274M/292M	1920*1080i/60,59.94,50 1920*1080p/30,29.97,25.24,23.98,23.98sf
	SMPTTE 296M	1280*720p/60,59.94,50
Input Signal Fomat	SMPTTE 260M	1920*1035i/60,59.94
	SMPTTE 259M,125M	720*480i/60,59.94
Audio Input	ITU R-BT,656	720*576i/50
	Component	640 X 480 up to 1920 X 1080p
Audio Output	HDMI Digital	~ 1920 X 1200(embedded 2ch Audio,with HDCP)
	DVI Digital	640 X 480 up to 1920 X 1200
I/O Port	PC-RGB(DVI) Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200
	Input	1EA, L/R , Stereo pin jack
Function	SDI Audio Input	Embedded HD/SD-SDI Audio
	Output	1EA, L/R , Stereo pin jack
Function	Speaker Output	2EA, 2W+2W
	Output Signal	Input Line & De-embedded Audio, 1~ 16CH
Function	GPI Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port
	Serial Update	2EA, RJ-11P Jack, RS-422/232C, Serial interface
Function	LTC Input	1EA, SMPTE STD Timecode signal, BNC Jack(Optional)
	Display Mode	Full, Split mode
Function	Alarm Detect	Video Loss
	Clock Display	Analog/Digital, Reference : Internal /LTC
Function	Tally Display	Yes
	ID/Title Character	Max 16 character(Capital / small letter, digit , symbol)
LCD Panel	Size	17"
	Resolution	1366 * 768 (16:9)
LCD Panel	Pixel Pitch	0.091x0.273 mm
	Color	16.7M
LCD Panel	Viewing Angle(deg)	R/L:178, U/D:178
	Luminance of White	350 cd/m²
LCD Panel	Contrast	900 : 1
	Display Area (H X V)	372.91 x 209.66 mm
Power Requirements	AC 100-230V,50Hz/60Hz	
Power Consumption	0.65A-0.34A(65W)	0.7A-0.4A(70W)
Weight (without Stand & Packing)	7.0kg	9kg
Dimension (W*H*D) w/o Box	420.5x310x451.5 mm	553x408x584.8 mm
Option Accessory	• Rack Mount • Hood & Carrying Case (17")	• Wall Mount

Model Series

BTM

Wall Monitor

Model

170LS
240LS



View



Front



Rear

Features

- Input : 2 x HD/SD-SDI(BNC), 3 x Analog(BNC)
- 10bit color processing
- De-embedded 8~16ch Audio Level Meter
- Various Markers Display (EBU, Variable)
- H,V,H/V Delay
- Input mode & Status Display
- Video Loss Detect Function
- Time Code Display
- Remote GPI control (RJ-45)
- Serial Control Port (Update & Control), (RJ-11)
- Wall Monitoring System Application (Option)

Specifications

Model	BTM-170LS	BTM-240LS
Input	HD/SD-SDI Input Analog Input	2EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack 3EA, Composite, Component, RGB, BNC Jack
Analog Input Level	Composite(CVBS) Component(Y/Pb/Pr) Component (R/G/B)	1.0Vp-p(with sync), NTSC/PAL Y :1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p G :1.0Vp-p(with Sync), B :0.7Vp-p, R :0.7Vp-p
Input Signal Format	SMPT E 428M	2048*1080,24p/psf,23.98p/psf
	SMPT E 274M	1920*1080i/60,59.94,50
	SMPT E 296M	1920*1080p/30,29.97,25,24,23.98,23.98sf
	SMPT E 260M	1280*720p/60,59.94,50
	SMPT E 259M,125M	1920*1035i/60,59.94
	ITU R-BT.656	720*480i/60,59.94
	Component	720*576i/50
Function	Audio Level Display	480i/p ~ 1920 * 1080i/p
	Scan Mode	480i/576i(NTSC/PAL)
	Tally Display	SDI Embedded Audio 16ch Zero, Under, Over, Zoom yellow/red/amber
I/O Port	GPI Remote	1EA, Remote, RJ-45P Jack, GPI-7 Port
	Serial Update	2EA, RJ-11P Jack, RS-422, Serial interface
LCD	Size	17"
	Resolution	1366 * 768
	Pixel Pitch	0.091x0.273 mm
	Color	0.270x0.270 mm
	Viewing Angle(deg)	16.7M
	Luminance of White	R/L:178, U/D:178
	Contrast	R/L:178, U/D:178
	Display Area (H X V)	350 cd/m² 900 : 1 518.4 X 324 mm
Power Requirements	AC 100 - 230V,50Hz/60Hz	
Power Consumption	0.65A - 0.34A(65W)	1.0 A- 0.5A(100W)
Weight (without Stand & Packing)	7.0 kg	14.0Kg
Dimension(W*H*D) w/o Box&Stand	420.5x310x98 mm	553.8x408x99.8mm
Option Accessory	• Rack Mount • Wall Mount	

Model Series

STM

DVI/HDMI/
Component Input

Model

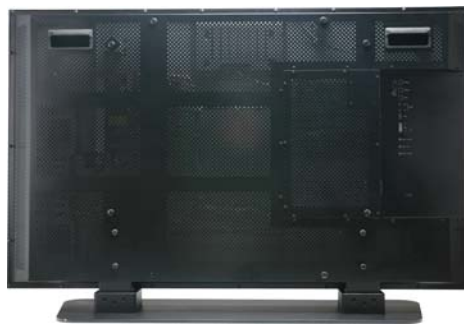
400S
460S
550L



View



Front



Rear

Features

- Input : 1 x HDMI, 1 x DVI, 3 x Analog(BNC)
- Built in Speaker
- External Line Audio Input/Output

- Standard Color Temperature Alignment
- Input mode and Status Display
- Zero/Over/Zoom Scan Mode

- IR Remote Control
- Remote GPI Control(RJ-45)
- Serial Control Port(RJ-11, Update and Control)
- Integrated S/W Control (Option)

Specifications

Model	STM-400S	STM-460S	STM-550L
Input Signal	HDMI PC-RGB(VGA) Input DVI Input Component	1EA, HDMI, (with HDCP), 19pin Female 1EA, DVI-I to VGA Jack (with gender) 1EA, DVI-I, 24pin, Female YUV/RGB(SOG), BNC Jack 3EA	
Analog Input Level	PC-RGB (VGA), Sync	R,G,B : 0.7Vp-p H/V Sync : 4V ± 1Vp-p	
Input Signal Format	HDMI Digital DVI Digital PC-RGB(VGA) Mode Component	~1920 * 1200 / 60p (v1.1, embedded 2ch Audio) 640 * 480 up to 1920 * 1200/60p 640 * 480 up to 1280 * 1024, max 1920 * 1200 480i up to 1920 * 1200 (Option)	
Audio Input / Output	External Line Input External Line Output Speaker Output Signal	1EA, L/R, Stereo pin jack 1EA, L/R, Stereo pin jack 2EA, 2W + 2W Ext Line, & HDMI Audio 2CH Selected	
I/O Port	GPI Remote Serial Update (RS-422) Serial Update (RS-232)	1EA, Remote, RJ-45P Jack, GPI-7 Port 2EA, Update, RJ-11P Jack, RS-422, Serial Interface 1EA, Update, D-Sub Jack, RS-232	
LCD	Size Resolution Pixel Pitch Color Viewing Angle (deg) Luminance of White Contrast Ratio (DCR) Display Area (H+V)	40" 1920 * 1080 0.46125 mm 8bit - 16.7M R/L:178, U/D:178 450 cd/m ² 3000:1 885.6x498.15mm	46" 1920 * 1080 0.53025 mm 8bit - 16.7M R/L:178, U/D:178 450 cd/m ² 4000:1 1018.08x572.67mm
Power Requirements		AC 100 ~ 230V, 50/60Hz	
Power Consumption	1.5A (190W)	1.8A (240W)	1.9A (250W)
Operating Temperature		0°C ~35°C (41°F ~95°F)	
Operating Humidity		20% ~80% RH	
Weight (without Stand & Packing)	30Kg	40Kg	50Kg
Dimension (W*H*D) Without Box & Stand	985.4x609.8x280	1223.8x748.6x280	1317.4x764.6x113.3
Option Accessory	• Stand	• Wall Mount	• Carrying Case

Model

071S
090S
170LSS



View



Front



Rear

















Features

- 7 inch LED Backlight Widescreen LCD Panel
- Input : 1 x HD/SD-SDI(BNC), 1 x DVI, 3 x Analog(BNC)
- Output : 1 x HD/SD-SDI(BNC)
- Waveform, Vector Scope(Same time display)
- Vector Scope (75%, 100%mode display),
- Closed Caption(CEA608/CEA708)
- V-Chip Data display for SD-SDI, Analog
- H/V FLIP Mode
- PaP function (Picture and Picture)
 - >Comparing 2 video each other on Freezing mode
- Timecode Display, UMD
- Embedded Audio Level Meter(16CH)
- Remote(RJ-45), Update(RJ-11)
- Selectable Mount option for V-mount / Anton bauer / DV-battery
- Outdoor Transflective treatment with Daylight
 - Good Readability, Quick DayLight button to fit outdoor
 - Same power consumption as indoor model
 - Minimize surface reflection





















Specifications

Model	BPM-071S	BPM-090S	BPM-170LSS
Input	1EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack	2EA, HD/SD Serial Digital	2EA, HD/SD Serial Digital , 1.485G/270M ,BNC Jack
Analog Input	3EA, Composite, YC(S-Video), YPbPr, RGB, BNC Jack		
PC-RGB(VGA) Input	1EA, DVI + Analog Jack (with gender) (24Pin + 5Pin)		
DVI Input	1EA, DVI-I, 24pin, Female		
Output	1EA, BNC, Active Loop Output		
Composite(CVBS)	1.0Vp-p(with sync), NTSC/PAL		
Analog Input Level	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		
2K Format	2048*1080, 24p/psf, 23.98p/psf		
SMPTE 274M	1920*1080/60, 59.94, 50, 24sf, 23.98sf/1920*1080p/30, 29.97, 25, 24, 23.98		
SMPTE 296M	1280*720p/60, 59.94, 50		
SMPTE 260M	1920*1035/60, 59.94		
SMPTE 259M, 125M	720*480/60, 59.94		
ITU R-BT.656	720*576i/50		
Component	640 X 480 up to 1920 X 1080p		
DVI	640 X 480 up to 1920 X 1200		
PC-RGB(VGA) Mode	640 X 480 up to 1280 X 1024, max 1600 X 1200		
Audio Input	1EA, L/R Stereo, Stereo pin jack		
SDI Audio Input	Embedded HD/SD-SDI Audio		
Output	1EA, L/R Stereo, Stereo pin jack		
Audio Output	Speaker Output 1EA, 1W		2EA, 2W+2W
Output Signal	Input Line & De-embedded Audio, 1~ 16CH Selected		
I/O Port	GPI Remote 1EA, Remote, RJ-45P Jack, GPI-7 Port		
Serial Update	1EA, RJ-11P Jack, RS-422, Serial interface		
Size	7.0"	9"	17"
Resolution	800*480	800*480	1366 * 768
Pixel Pitch	0.1905x0.1905 mm	0.246x0.246 mm	0.091x0.273 mm
Color	16.7M	16.7M(8bit)	16.7M
Viewing Angle(deg)	R/L:140, U/D:140	R/L:176, U/D:176	R/L:178, U/D:178
Luminance of White	350 cd/m ²	350 cd/m ²	350 cd/m ²
Contrast	700 : 1	700 : 1	900 : 1
Surface Treatment	Transflective		
Display Area (H X V)	152.4 x 91.44 mm	196.8 x 118.08 mm	372.91 x 209.66 mm
Function	Day Light Mode Normal, High Bright 1, High Bright 2		
Power Requirements	DC 12V or AC Adaptor(100 - 230V, 50Hz/60Hz)		DC 12V/5.5A, AC 100 - 230V, 50Hz/60Hz
Power Consumption	0.1 - 1A(12W)	0.1A - 1.5A(15W)	0.65A - 0.34A(65W)
Operating Temperature	0°C ~40°C		
Operating Humidity	20% ~ 80% RH		
Weight (without Stand & Packing)	1.2 kg	1.5 kg	7.0 kg
Dimension(W*H*D) w/o Box&Stand	203*131*52 mm	224x131x52 mm	420.5x310x98 mm
Option	• Rack Mount • Tripod Mount	• Hood & Carrying Case • Sunvisor • V-Mount / Anton bauer / DV-battery	

Accessories

Model Series	Model	Standard		Option	
		Item List	View	Item List	View
BLM	084	Power code, CD Manual, DVI to VGA Gender		Rack Mount, Tripod Head, V-Mount / Anton bauer / DV-battery Hood, Carrying Case	
	170	Power code, CD Manual, Stand Mount DVI to VGA Gender		Rack Mount, Wall Mount, V-Mount / Anton bauer / DV-battery Hood, Carrying Case	
	240	Power code, CD Manual Stand Mount DVI to VGA Gender		Rack Mount, Wall Mount Carrying Case	
BPM	071	Power code, CD Manual, DVI to VGA Gender		Rack Mount, Tripod Head Sunvisor, Hood, Carrying Case	
	090	Power code, CD Manual, Stand Mount DVI to VGA Gender		Rack Mount, Wall Mount, V-Mount / Anton bauer / DV-battery Hood, Carrying Case	
	170	Power code, CD Manual Stand Mount DVI to VGA Gender		Rack Mount, Wall Mount Carrying Case	
	200	Power code, CD Manual, Stand Mount DVI to VGA Gender		Rack Mount, Wall Mount Carrying Case	
	240	Power code, CD Manual Stand Mount DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	
	321	Power code, CD Manual, DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	
	400	Power code, CD Manual, Stand Mount DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	
	460	Power code, CD Manual Stand Mount DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	
	550	Power code, CD Manual, Stand Mount DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	
BDM	170	Power code, CD Manual, Stand Mount		Rack Mount, Wall Mount, V-Mount / Anton bauer / DV-battery Hood, Carrying Case	
	240				

Accessories

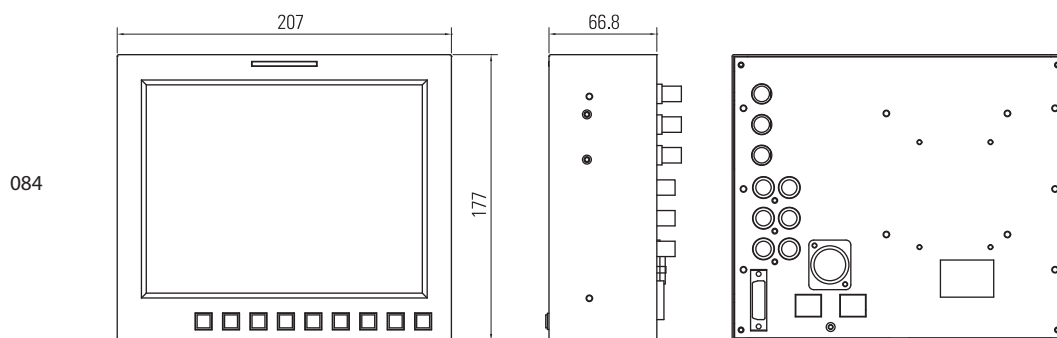
Model Series	Model	Standard		Option	
		Item List	View	Item List	View
BXM	230N3G	Power code, CD Manual		Wall Mount, Stand Mount Carrying Case	
	170	Power code, CD Manual		Wall Mount, Stand Mount Carrying Case	
	240	Power code, CD Manual		Wall Mount, Stand Mount Carrying Case	
BQM	170	Power code, CD Manual, Stand Mount		Rack Mount, Wall Mount Carrying Case	
	240	Power code, CD Manual, Stand Mount		Rack Mount, Wall Mount Carrying Case	
BTM	170	Power code, CD Manual, DVI to VGA Gender		Rack Mount, Wall Mount Carrying Case	
	240	Power code, CD Manual, Stand Mount DVI to VGA Gender		Rack Mount, Wall Mount Carrying Case	
STM	400	Power code, CD Manual, DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	
	460	Power code, CD Manual, Stand Mount DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	
	550	Power code, CD Manual Stand Mount DVI to VGA Gender		Wall Mount, Stand Mount Carrying Case	

Dimension Drawing

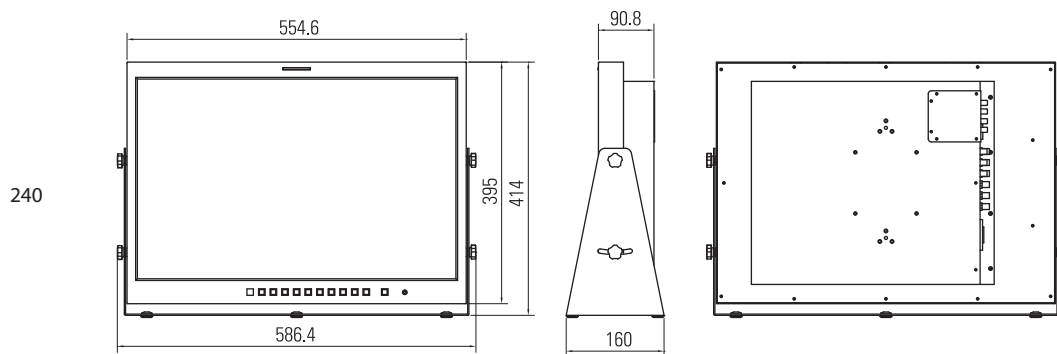
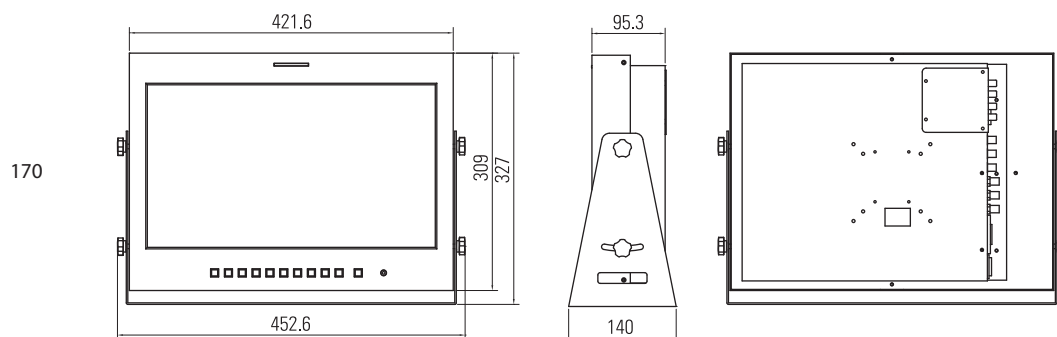
Model Series

Model No.

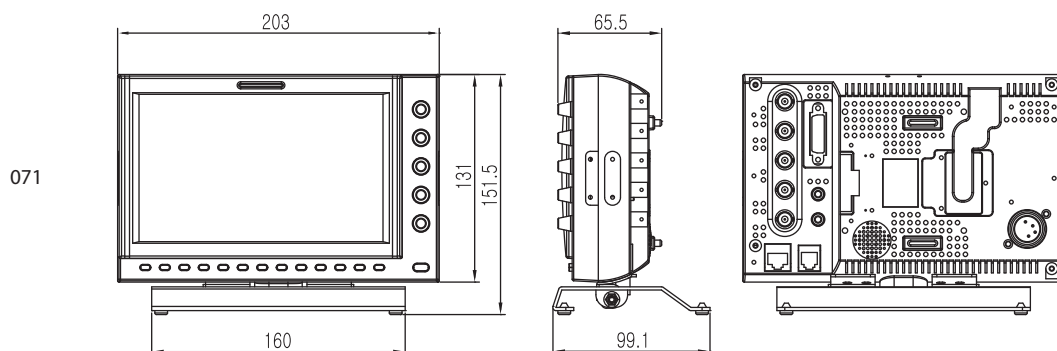
Dimension Drawing



BLM



BPM

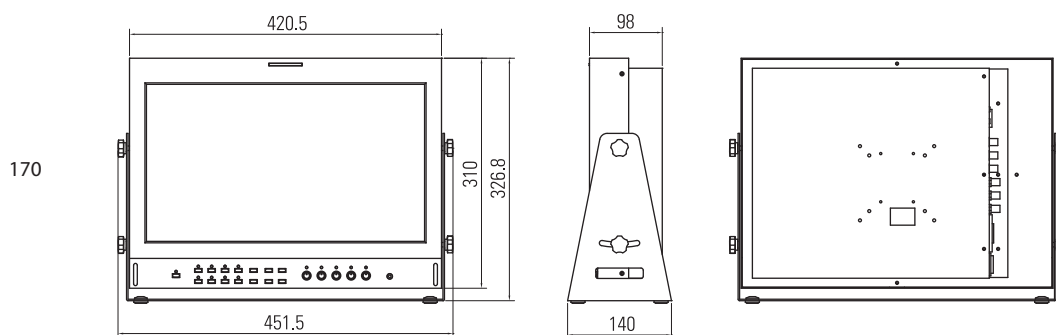
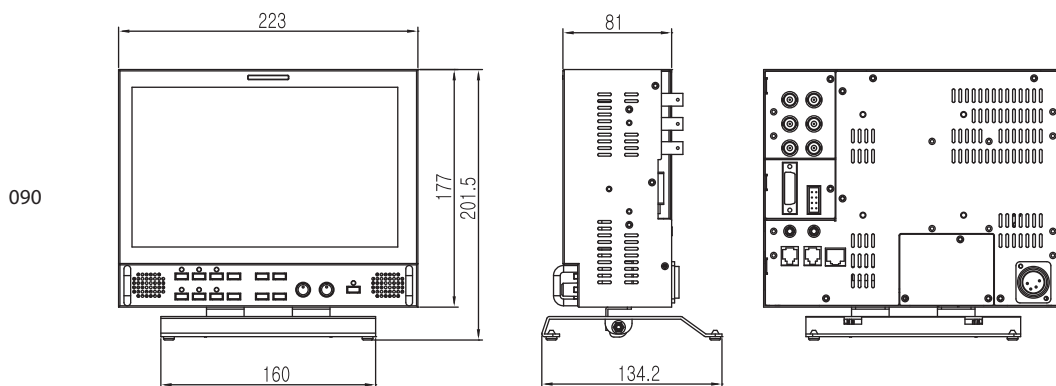


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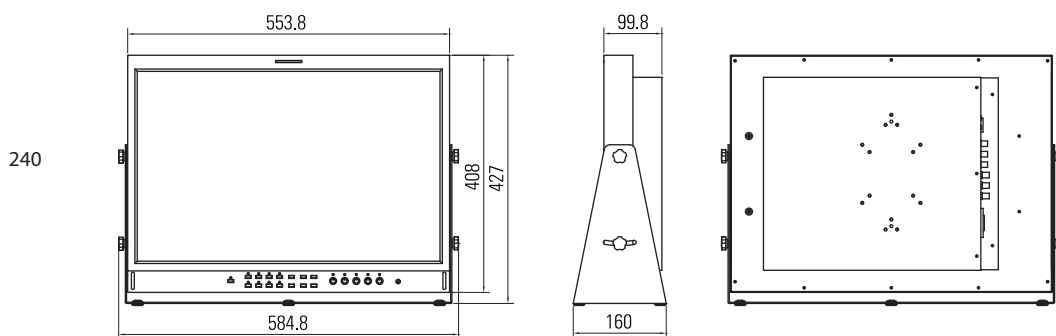
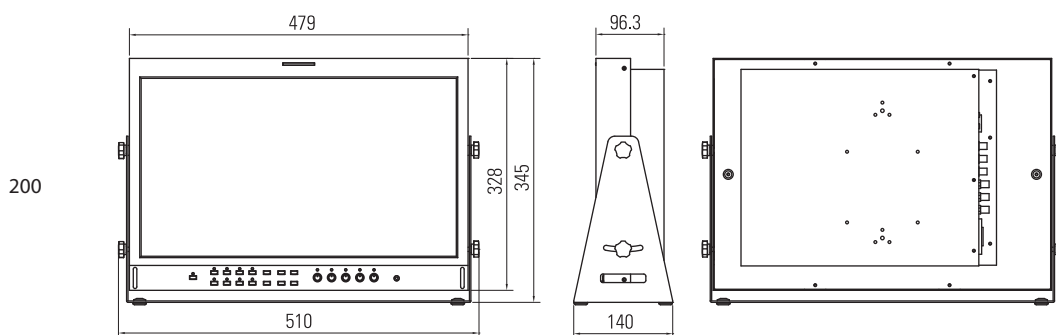
Model Series

Model No.

Dimension Drawing

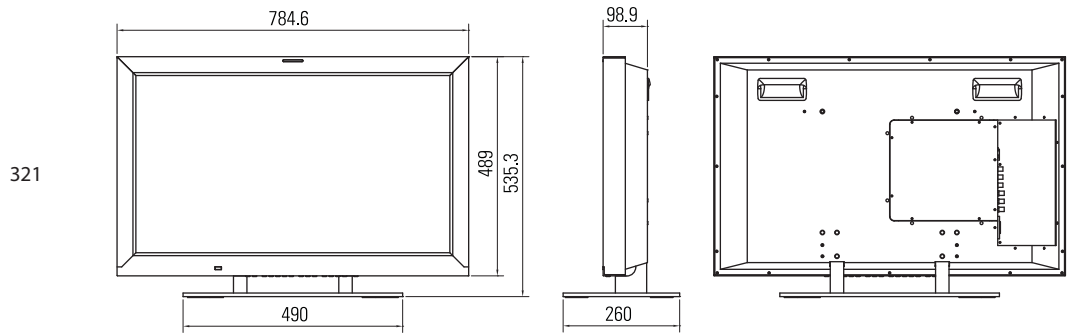


BPM

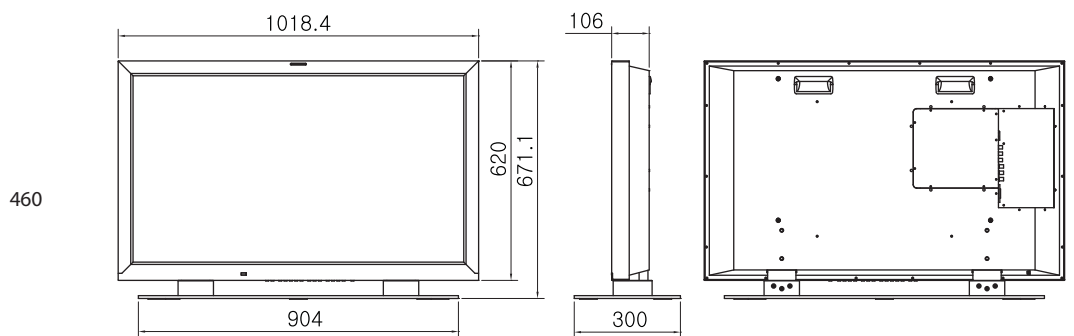
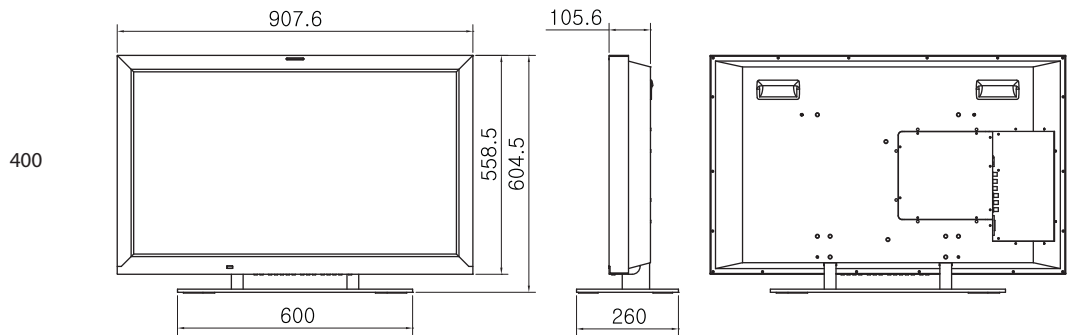


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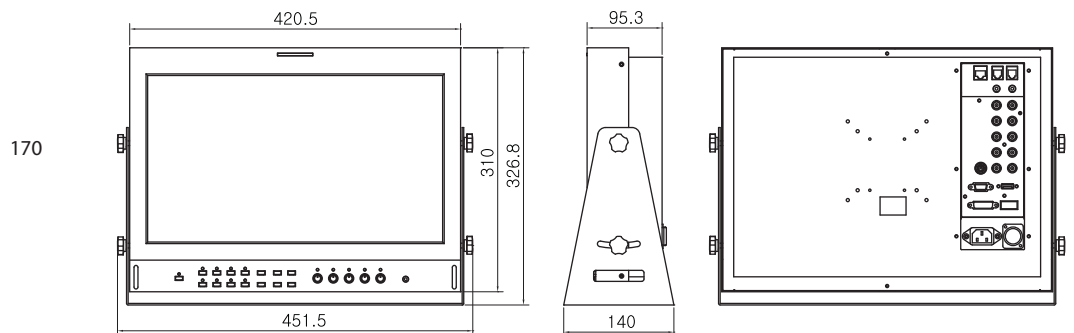
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BPM



BDM



Dimension Drawing

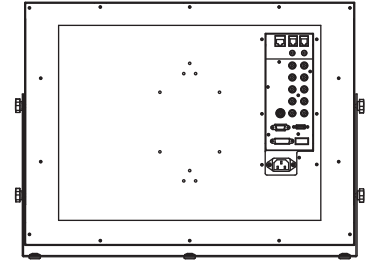
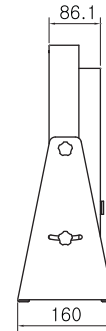
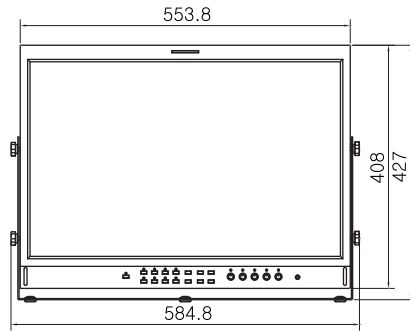
Model Series

Model No.

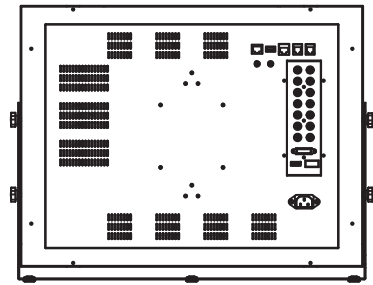
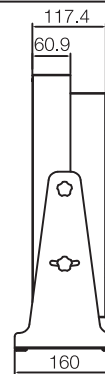
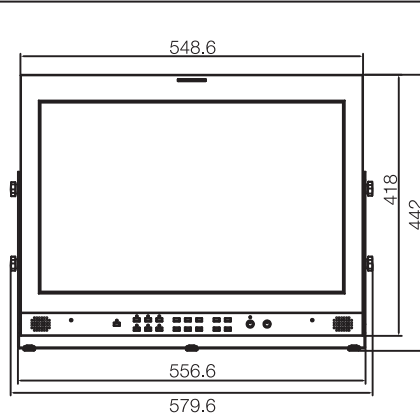
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BDM

240

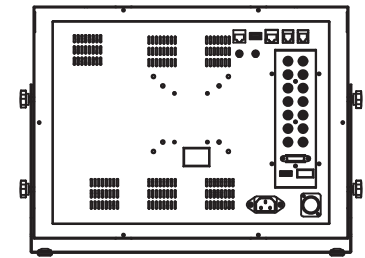
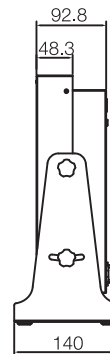
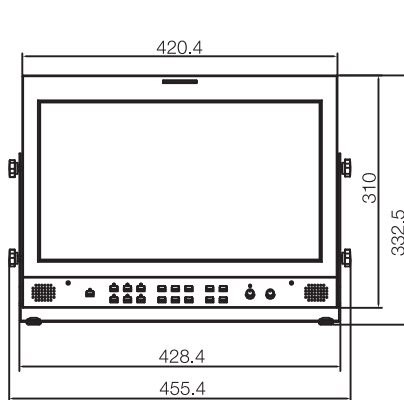


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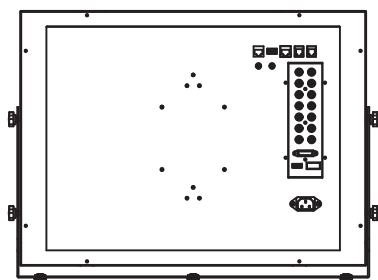
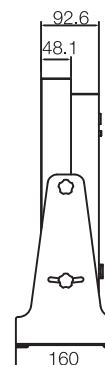
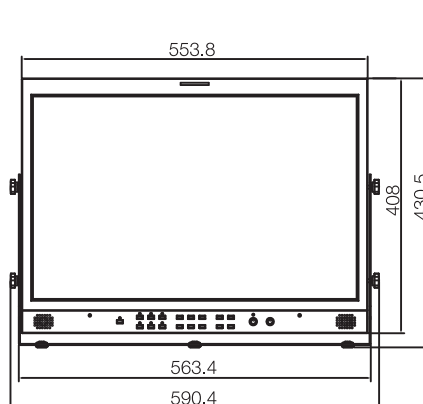


BXM

170

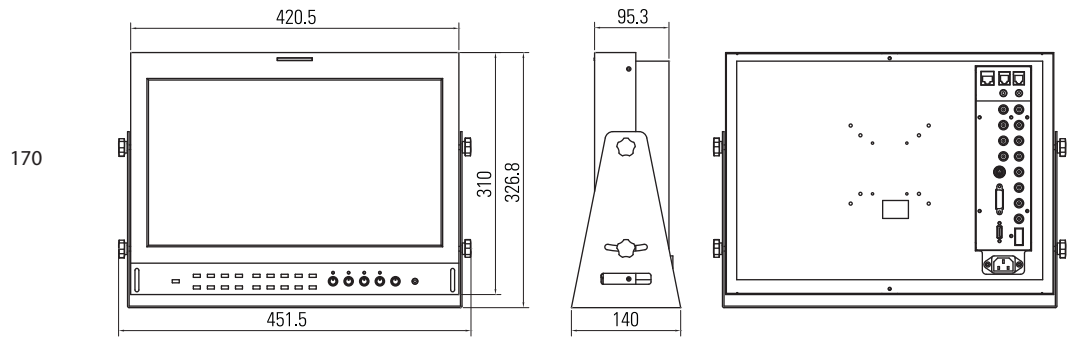


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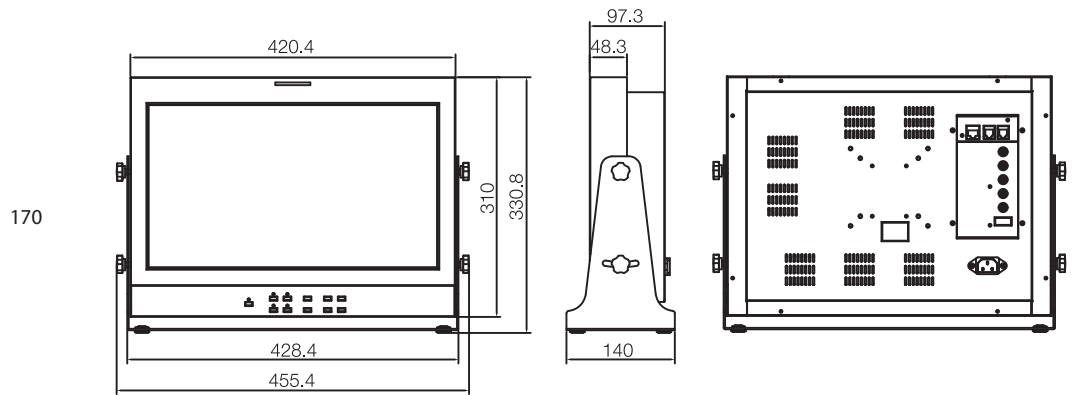
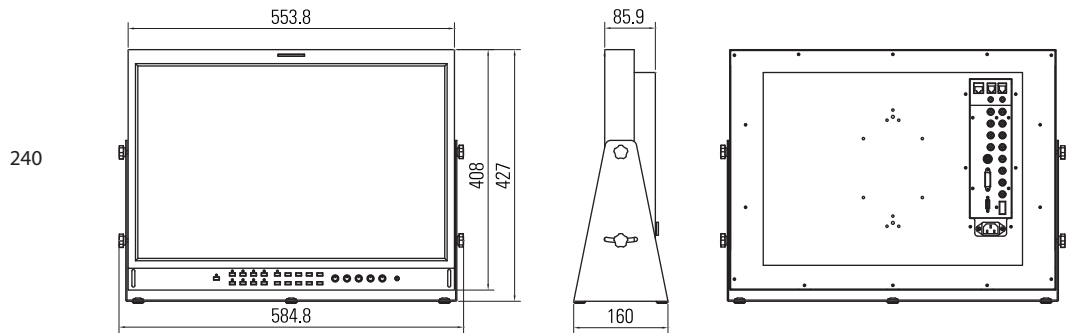


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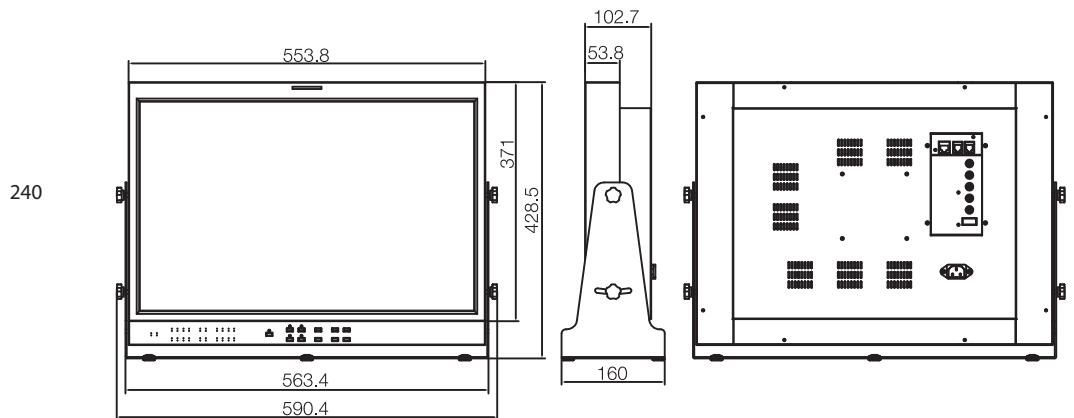
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BQM



BTM

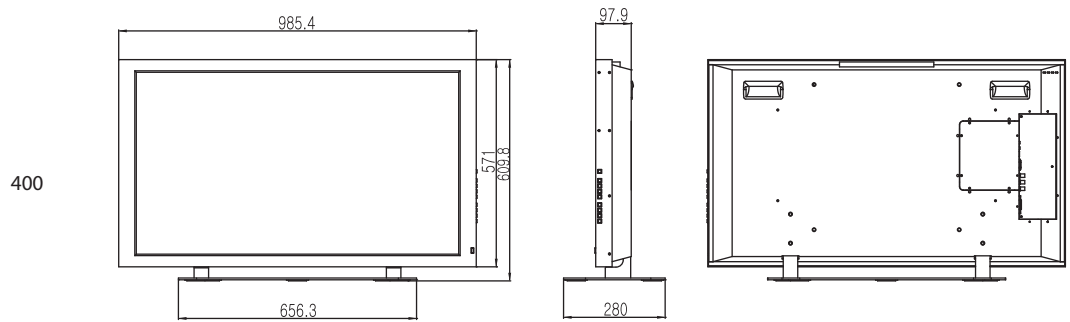


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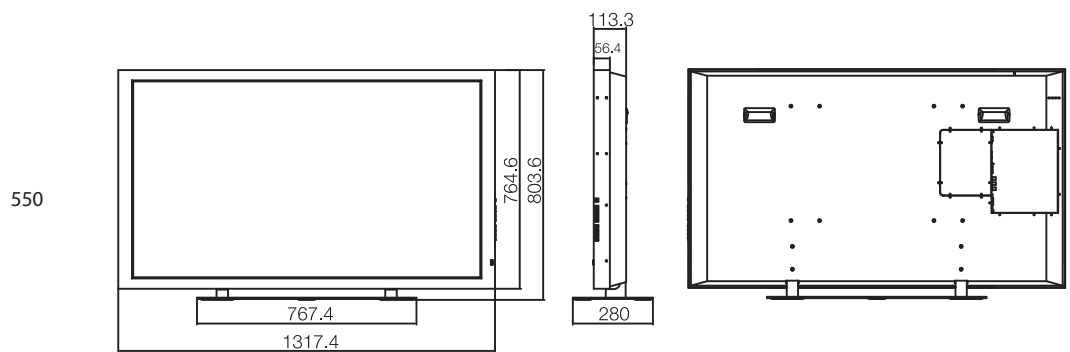
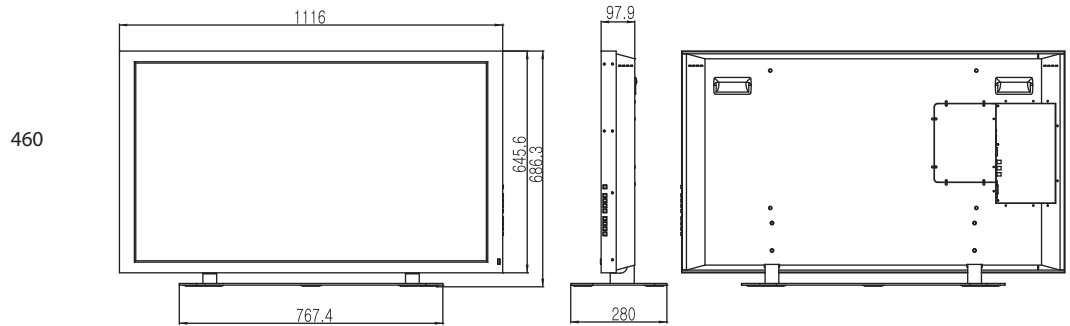
Model Series

Model No.

Dimension Drawing



STM



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Specifications can be changeable for the efficiency and quality improvement of this products without prior notice.