

Multi-Format Broadcast Monitor

with Super Bright Screen

BSM-153H, BSM-183H, BSM-213H



User's Guide



BON ELECTRONICS
<http://www.bon.co.kr>

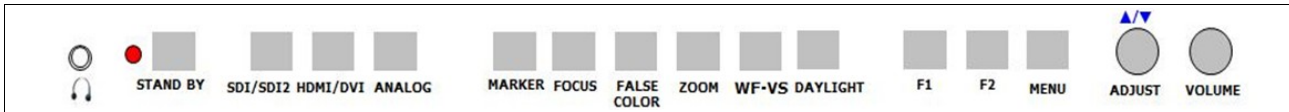
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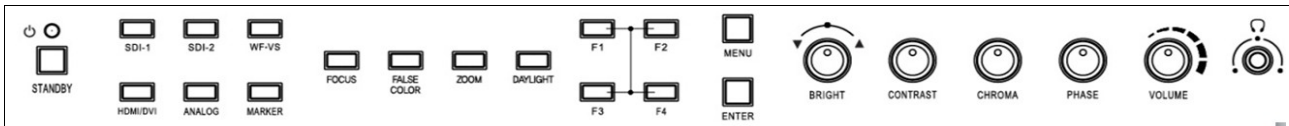
Safety Instructions

- To help avoid damaging your monitor, connect only one power (AC or DC) in operation.
- Rough handling of product may cause physical damage or malfunction.
- Never insert anything metallic into the monitor openings. Doing so may create the danger of electric shock.
- To avoid electric shock, never touch the inside of the monitor. Only a qualified should open the monitor's case.
- Openings in the monitor cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered.
- Minimum 50cm (20 inches) room to wall is necessary to prevent overheating when the monitor is installed to wall.
- Put your monitor in a location with low humidity and a minimum of dust. Avoid places like damp basement or dusty hallways.
- Place the monitor on a solid surface and treat it carefully. The screen is made of glass and can be damaged if dropped or sharply hit.
- Do not attempt to remove the back cover, as you will be exposed to a shock hazard. The back cover should only be removed by qualified service personnel.
- Unplug the monitor power before you connect external devices to the monitor.
- If your monitor does not operate normally, or if there are any unusual sounds or smells coming from it, unplug it immediately and contact us.
- Please do not disassemble the monitor. No service will be provided in that case.
- Displaying fixed picture for a long time may cause an afterimage or dead spots. To recover LCD pixels, display whole white picture on screen for a n hour or two and pixels will be recovered.
- No service will be provided for user's own color calibration.

Front



BSM-153H Buttons



BSH-183H 213H Buttons

1) Standby (Power)

2) SDI 1, SDI 2 Input

Switch Input between SDI 1,2.

3) HDMI/DVI Input

Switch Input between HDMI, DVI.

4) Analog

Switch analog input in the order of CVBS1 -> CVBS2 -> CVBS3 -> SVIDEO -> YPbPr -> RGB -> VGA.

5) Marker On/Off

Turns on/off frame line generator.

6) Focus

Turns on/off Focus Assist feature. Focus Area is outlined on the screen when it turns on.

7) False Color

Turns on/off False Color feature to check exposure area with 'false colors'.

8) Zoom

Switch Zoom mode in the order of Pixel-to-Pixel, User's Zoom, DSLR Zoom. (One bottom line might not be visible on SDI 720P mode)

9) WF/VS

Waveform / Vectorscope display selection button.

10) Daylight

Switch Daylight mode in the preset order of Normal, Brighter, Brightest.

11) F1, F2 (F3, F4)

User-Assignable function keys.

12) Menu

13) Knob for Adjustment or Enter

Knob used to adjust Brightness / Contrast / Chroma / Phase or Enter button.

14) Volume

Adjust volume of speakers. This setting does not affect on Line Out volume.

Rear



BSM-153H



BSM-183H, 213H

AC Input

Please check Power Cord, Power Voltage, Supply power for power input are suitable for the standard before use.

Please do not mix AC power and DC power as it may cause the defects or fire.

DC Input

For DC power supply. Check the DC Input voltage. In case of using the Battery power, DC 12 ~ 247V is usable.

Update Port

The Serial communication terminal that for changing the operating program(Firmware) of the body or controlling the monitor.

Remote Port

For controlling the monitor from outside. A terminal with Make/Trig method.

USB Port

USB Firmware Update Port.

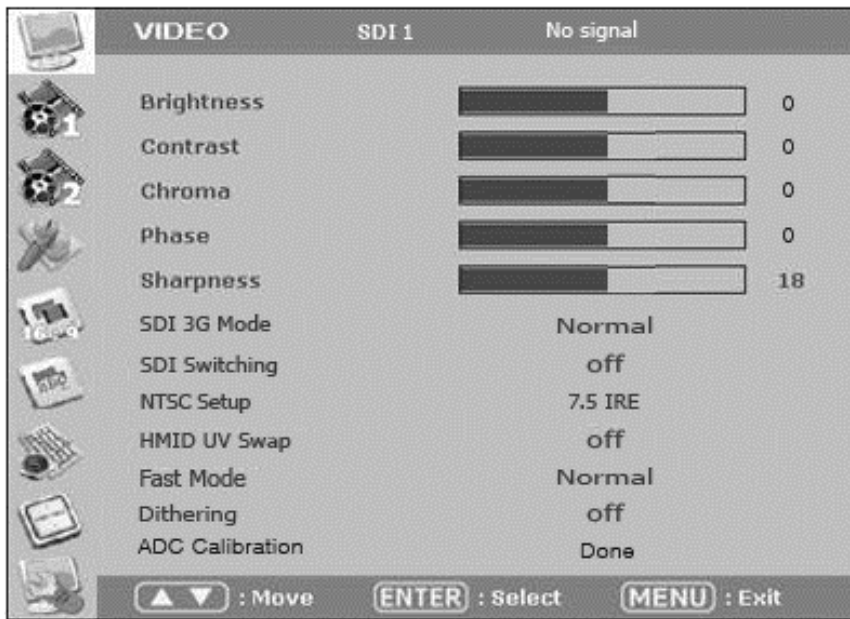
MENU Description

General Cautions for OSD menu or Display

The menu may not be displayed even when user pressed Menu button if there's No Signal, or in unclear signal status.

The menu selection may be saved for each input signal mode, so sometimes user should do menu selection again.

VIDEO



Brightness, Contrast, Chroma, Phase, Sharpness

Adjust color representation values.

SDI 3G Mode

Set this mode if the input is 3G HD SDI. SDI 3G mode support SMPTE standards listed below:

- ▶ A_MS1_YCbCr422_10
: 3G SDI Level-A Mapping Structure 1 - YCbCr 4:2:2/10 bit
- ▶ A_MS2_YCbCr444_10
: 3G SDI Level-A Mapping Structure 2 - YCbCr 4:4:4/10 bit
- ▶ A_MS2_RGB444_10
: 3G SDI Level-A Mapping Structure 2 - RGB 4:4:4/10 bit
- ▶ A_MS3_YCbCr444_12
: 3G SDI Level-A Mapping Structure 3 - YCbCr 4:4:4/12 bit
- ▶ A_MS3_RGB444_12
: 3G SDI Level-A Mapping Structure 3 - RGB 4:4:4/12 bit
- ▶ A_MS4_YCbCr422_12
: 3G SDI Level-A Mapping Structure 4 - YCbCr 4:2:2/12 bit

- ▶ B_MS1_YCbCr422_10
: 3G SDI Level-B Mapping Structure 1 - YCbCr 4:2:2/10 bit
- ▶ B_MS2_YCbCr444_10

- : 3G SDI Level-B Mapping Structure 2 - YCbCr 4:4:4/10 bit
- ▶ B_MS2_RGB444_10
- : 3G SDI Level-B Mapping Structure 2 - RGB 4:4:4/10 bit
- ▶ B_MS3_YCbCr444_12
- : 3G SDI Level-B Mapping Structure 3 - YCbCr 4:4:4/12 bit
- ▶ B_MS3_RGB444_12
- : 3G SDI Level-B Mapping Structure 3 - RGB 4:4:4/12 bit
- ▶ B_MS4_YCbCr422_12
- : 3G SDI Level-B Mapping Structure 4 - YCbCr 4:2:2/12 bit
- ▶ B_2X_DS1_YCbCr422_10
- : 3G SDI Level-B Data Stream 1 - YCbCr 4:2:2/10 bit, Dual Link SMPTE-372M
- ▶ B_2X_DS2_YCbCr422_10
- : 3G SDI Level-B Data Stream 2 - YCbCr 4:2:2/10 bit, Dual Link SMPTE-372M

Especially for 3G Level B signals, the format should be set manually. Also, be aware that the format information might be lost on power down.

SDI Switching

Normal : Use Normal in general condition but the screen might be blinking on screen change when you use Matrix or Routing Switcher.

Fast : Use Fast to minimize blinking on screen change.

NTSC Setup

Select IRE among 0 or 7.5 (Default)

HDMI UV Swap

Sometimes color might be swapped on some HDMI input such as PC RGB. Turn this mode on to return to correct color.

Fast Mode

Use this mode to minimize afterimage on very fast video.

Dithering

Turn this mode on to view motion pictures smoothly when the source has low quality.

ADC Calibration

Refines input level of analog signal.

DISPLAY 1

DISPLAY 1	SDI 1	HD 1920 x 1080 60i
	Aspect	Native
	1 : 1 Scan	Off
	AFD	Off
	Waveform Display	Normal
	Waveform Line Select	256
	Waveform Select	Y
	WF/VS Position	Right Bottom
	WFM & Vector Blend	2
	False Color	Off

▲ ▼ : Move ENTER : Select MENU : Exit

Aspect

Set the aspect ratio of the screen. 16:9, 4:3, Native(Original) are selectable.

1:1 Scan

Set this on to display picture in 1:1 pixel mapping.

AFD

Set this mode to set aspect ratio.

Waveform Display

Select waveform display mode. Choose Normal to analyze whole screen, choose Line Select to analyze a specific line of the screen.

Waveform Line Select

Select the line when you select Line Select mode for Waveform display.

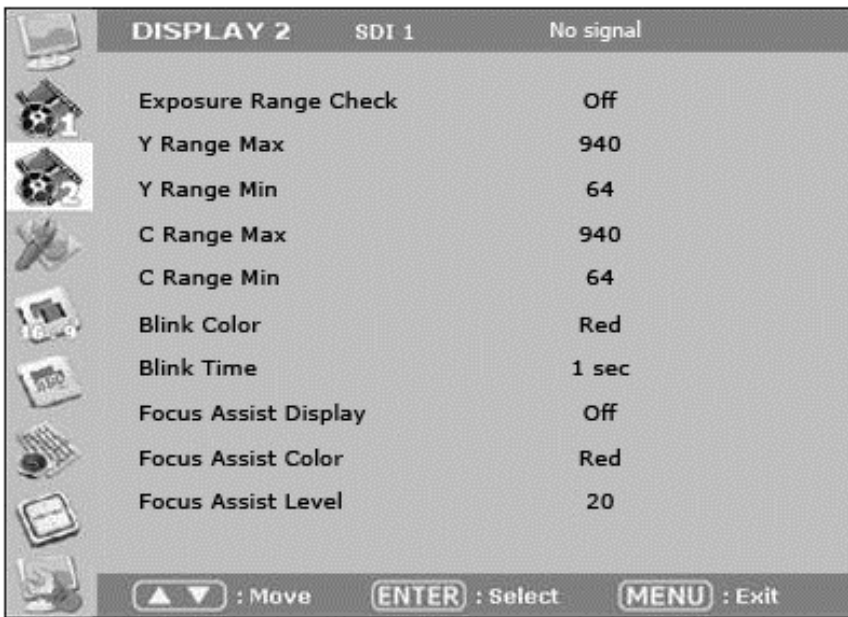
WFM & VS Position

Set the position of Waveform/Vector Scope on screen.

False Color

Turn False Color mode on to check exposure levels of the picture.

DISPLAY 2



Exposure Range Check (Video Range Check)

Checks Y, C level and displays over-exposed or under-exposed area on screen. The base value can be Y, Cb, or Cr.

Y Range Max / Min

Set Y range value for range check.

C Range Max / Min

Set C range value for range check.

Blink Color

The filled area color by range check can be either Black, Blue, Green or Red.

Blink Time

Set blinking time of the area between 1 to 5 seconds.

Focus Peaking (Assist)

Turns on Focus Assist mode. This mode can be set also by pressing Focus Assist button in front.

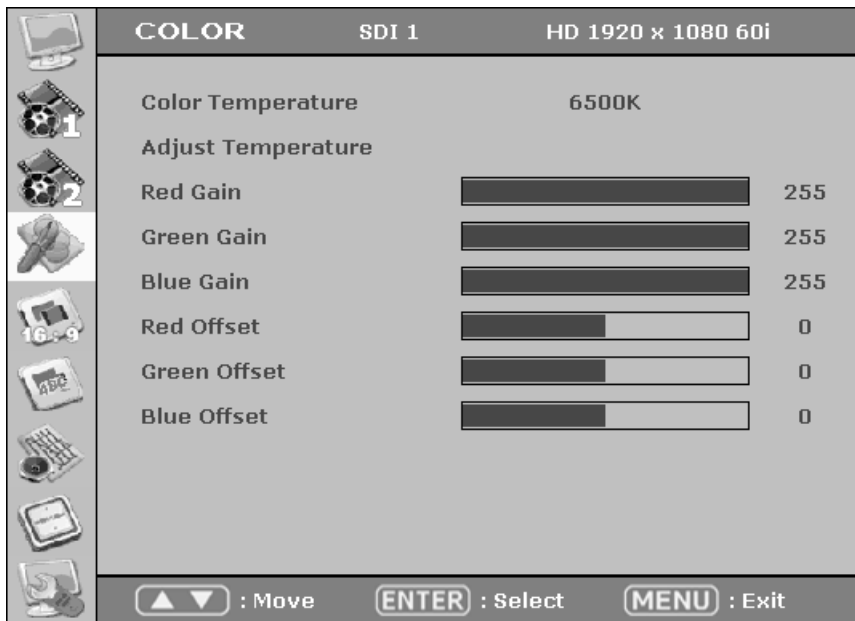
Focus Peaking Width (Sensitivity)

The sensitivity of the focus assist function can be set between 0 to 48.

Focus Peaking Color

Set brush color of focus assist mode among Blue, Green, and Red.

COLOR



Color Temperature

Select color temperature among 3200K, 5400K, 6500K, 9300K or VAR.

Red/Green/Blue Gain

R,G,B gains are adjustable on User mode.

Red/Green/Blue Offset

R,G,B offsets are adjustable on User mode.

MARKER

	MARKER	SDI 1	HD 1920 x 1080 60i
	Marker Ratio		4 : 3
	Center Marker		On
	Safety Area 16:9		88%
	Safety Area 4:3		88%
	Marker Color		White
	Marker Mat		Normal
	Marker Thickness		4
	User Marker H1		1366
	User Marker H2		0
	User Marker V1		768
	User Marker V2		0
	▲ ▼ : Move ENTER : Select MENU : Exit		

Marker Ratio

Select one of preset markers or user marker. To display marker, press Marker button in front of the monitor.

Center Marker

Set preference to display center marker or not.

Safety Area 16:9

Adjust size of the safety area when marker displayed on 16:9 screen.

Safety Area 4:3

Adjust size of the safety area when marker displayed on 4:3 screen.

Marker Color

Select marker's color among White, Red, Green, Blue, Gray and Black.

Marker Mat

Set how to display outside of the safety area. Normal, Half(Gray), Black are selectable.

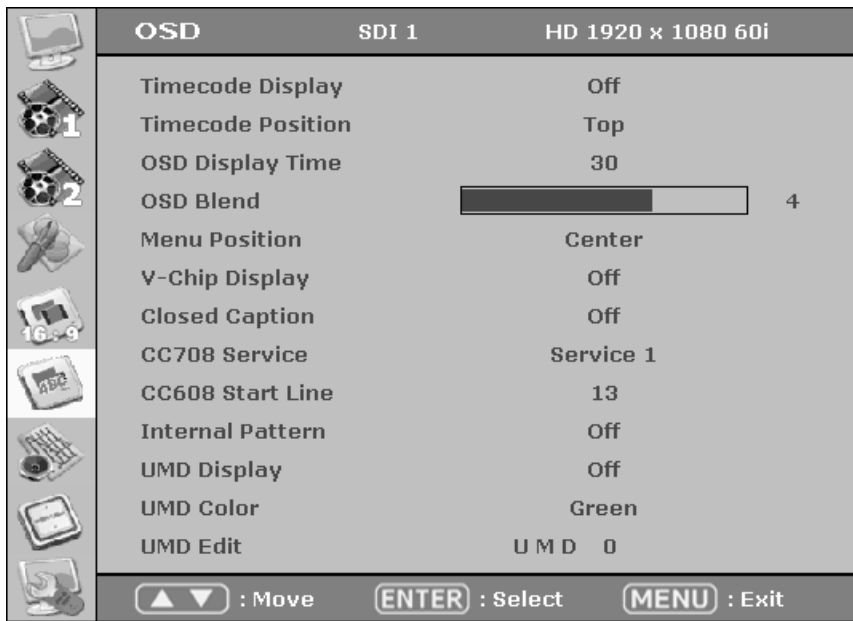
Marker Thickness

Set marker thickness between 1 to 10.

User Marker H1 / User Marker H2 / User Marker V1 / User Marker V2

Set user marker's position. H1 for left, H2 for right, V1 for top, V2 for bottom. The positions are saved as the selected marker name such as USER1.

OSD



Timecode Display On/Off

Timecode Position

Set the position of timecode.

OSD Display Time

Set menu display time (seconds)

MENU Position

Set menu position among Left Top, Right Top, Left Bottom, Right Bottom and Center.

V-Chip

SD-SDI, Composite signal might contain V-Chip data. Turn this mode on to display V-Chip information on screen.

Closed Caption

Select one of 608 Line 21, 608 VANC, 608 Transcoded, 708 to display Closed Captions. In special condition such as menu display status, captions are not displayed.

CC708 Service

Select one of CC service as your preference.

Service 1: general captions.

Service 2: translated captions.

Service 3,4: not assigned.

CC608 StartLine

Display line of captions are selectable by user. (e.g. 13)

Internal Pattern

Show internal test pattern such as color bars. Turn this mode off to display general pictures from input port.

UMD Display

Display UMD status. The screen aspect ratio will turn to 16:9 on this mode.

UMD Color

Set UMD color.

UMD Edit

Edit UMD text.

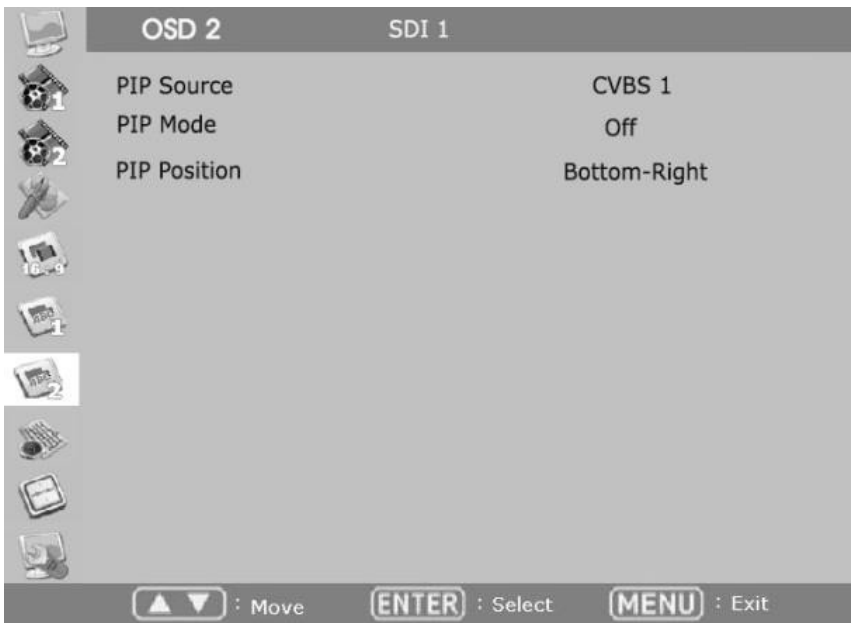


UMD Off



UMD On

OSD 2



PIP Source

Select Picture-in-Picture source.

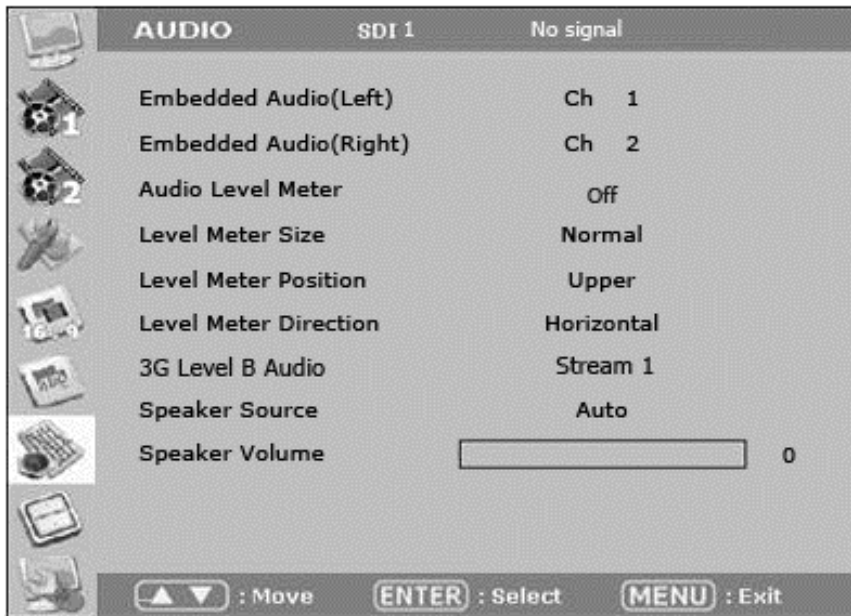
PIP Mode

Large PIP, Small PIP, Side by Side can be selected.

PIP Position

Sets sub-picture position.

AUDIO



Embedded Audio Left

Select audio channel for left (Ch 1 ~ 15)

Embedded Audio Right

Select audio channel for right (Ch 2 ~ 16)

Audio Level Meter

Turns on/off audio level meters.

Level Meter Size

Select the size of the meters : Small or Large.

Level Meter Position

Select the position of the meters : Upper or Lower.

3G Level B Audio

Select 1 audio signal when there's two audio signals on 3G SDI input.

Speaker Source

Select the speaker output among Auto / SDI / Line In. For HDMI, use Auto mode.

Speaker Volume

Set volume of speaker.

* Line Out volume is not affected by speaker volume setting.

GPI

GPI	SDI 1	No signal
GPI Control		On
GPI Port 1		SDI1 Input
GPI Port 2		SDI2 Input
GPI Port 3		CVBS 1 Input
GPI Port 4		Tally Red On/Off
GPI Port 5		Tally Green On/Off
GPI Port 6		KEY - Standby(Fixed)
Remote ID Number		0
Serial Remote		Net work
Net work Connection		Static IP
IP Address		192 . 168 . 200 . 19
Subnet Mask		255 . 255 . 255 . 0
Gate way		192 . 168 . 200 . 1
ConnectPort		5000
Mac Address		00-08-7E-00-16-AB

▲ ▼ : Move ENTER : Select MENU : Exit

GPI Control

Turns on/off external monitor control function.

GPI Port 1,2,3,4,5,6

Assigns each GPI port's function. (e.g. SDI 1 input, HDMI input, Tally Red) See **EXTERNAL REMOTE CONTROLLING** section for details.

Remote ID Number

Assigns the ID for the monitor to control through serial port. 0 to 99 can be assigned.

Serial Remote

Turns serial remote function on. All front buttons are locked on this mode. To exit from this mode, press and hold Menu button for 3 seconds.

Network Connection

This is for network control. To turn on this function, set Serial Remote as Network first. Two connection types are available, DHCP and Static IP.

1) Static IP Setting

User manually sets IP Address, Subnet Mask, Gateway.

2) DHCP Setting

Automatically sets IP Address, Subnet Mask, Gateway.

Connection Port

Sets port number for connection.

MAC Address

A unique device address that cannot be modified by user.

SYSTEM



Function 1,2,3,4

Assigns a function to each function button. See **FRONT** section for detail.

Backlight

Set the backlight intensity from 0 to 40. An LCD panel requires more than 30 minutes to be settled to a new backlight value.

Front Button LED

Set front LEDs on/off status.

Font Button Lock

Locks front buttons not to work. Press and hold Menu button for 3 seconds to exit from this mode.

Update Firmware

Turns update mode on. Select Serial or USB port for update. After firmware update, the monitor should be turned off/turned on, and Factory Default should be loaded before use.

Setup Load

Load monitor settings from Factory Default, User 1/2/3/4.

Setup Save

Save current monitor setting to use later. 4 settings can be saved.

Firmware Version

This version number is required when you request for service.

Operating Time

This indicates total hours that the monitor operated.

USB Firmware Update

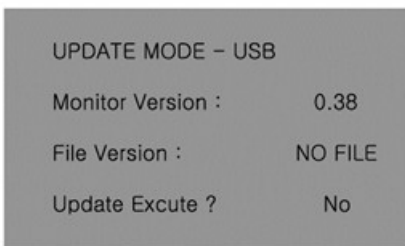
To update your monitor's firmware, request for a new firmware file to your local reseller or to BON Electronics.

Move the file on a USB flash memory, insert it to your monitor. Please beware the file should be located in the root(top folder level), not in any folder.

Also, the USB flash memory **should have** FAT32 or FAT file system. (General USB memory has FAT32 file system, usually)

Set Update Firmware item as USB from SYSTEM menu.

Some part of firmware cannot be updated by USB updating procedure, so please get help from your local dealer or expert before you update firmware with USB memory.



Error Message when USB access or file not exist



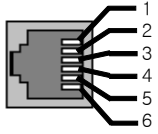
Message when file on USB detected

You can also use Serial Port and your PC to update the firmware. Please request for help to your local dealer or directly to BON Electronics.

External Remote Control

Connecting GPI Port(RJ-45)

Update Port (RJ-11)

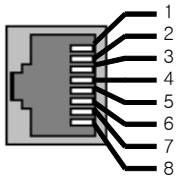


Update (RJ-11)

Update Terminal Assignment			
1 PIN	NC	4 PIN	GND
2 PIN	RX+	5 PIN	TX+
3 PIN	RX-	6 PIN	TX-

* Turn power off first and connect update cable when you update monitor firmware.

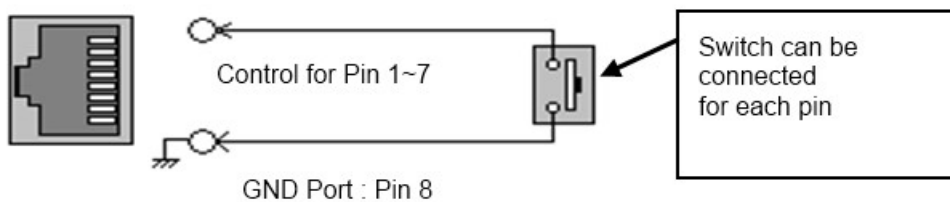
Remote Control / GPI Port Pin Assignments



Remote (RJ-45)

Remote PIN Assignment			
1 PIN	GPI Port 1	5 PIN	GPI Port 5
2 PIN	GPI Port 2	6 PIN	GPI Port 6
3 PIN	GPI Port 3	7 PIN	GPI Port 7(FIXED) (TALLY OUT)
4 PIN	GPI Port 4	8 PIN	COMMON(GND)

Each pin's functionality can be assigned on OSD System Menu, GPI Control section.



Assignable functions are listed below.

Function Name	Description
SDI-1 Input	Switches the input to SDI-1
SDI-2 Input	Switches the input to SDI-2
HDMI Input	Switches the input to HDMI
YPbPr Input	Switches the input to YPbPr
CVBS-1 Input	Switches the input to CVBS-1
CVBS-2 Input	Switches the input to CVBS-2
CVBS-3 Input	Switches the input to CVBS-3
KEY-UP ▲	CURSOR UP on Menu Control.
KEY-DOWN ▼	CURSOR DOWN on Menu Control.
KEY- MENU	Menu On/Off
KEY-ENTER	Enter Button
Aspect	Aspect On/Off
1:1 Scan On/Off	1:1 SCAN Function On/Off
H/V Delay On/Off	H/V Delay Function On/Off
TC Display On/Off	TC Display On/Off
ALM Display On/Off	Audio Level Meters Display On/Off
Freeze On/Off	Freeze Frame On/Off
Front Button LED On/Off	Front Button LED On/Off.
Tally Red On/Off	Tally Red LED On/Off
Tally Green On/Off	Tally Green LED On/Off

List of Compatible Video Formats (HDMI/Composite)

NO	Signal Input Formats	INPUT	
		Composite	HD-YPbPr
		SD-RGB	HDMI
1	NTSC	O	O
2	PAL	O	O
3	720*576/50i	X	O
4	720*480/59.94i	X	O
5	720*480/60i	X	O
6	720*576/50p	X	O
7	720*480/59.94p	X	O
6	720*480/60p	X	O
8	1280*720/23.98p	X	O
9	1280*720/24p	X	O
10	1280*720/25p	X	O
11	1280*720/29.97p	X	O
12	1280*720/30p	X	O
13	1280*720/50p	X	O
14	1280*720/59.94p	X	O
15	1280*720/60p	X	O
16	1920*1080/50i	X	O
17	1920*1080/59.94i	X	O
18	1920*1080/60i	X	O
19	1920*1080/23.98p	X	O
20	1920*1080/24p	X	O
21	1920*1080/25p	X	O
22	1920*1080/29.97p	X	O
23	1920*1080/30p	X	O
24	1920*1080/50p	X	O
25	1920*1080/59.94p	X	O
26	1920*1080/60p	X	O

List of Compatible Video Formats (SDI)

NO	Input Signal Formats	HD/SD-SDI			
		Single	3G YUV4:2:2	3G YUV4:4:4	3G RGB444
1	NTSC	√	-	-	-
2	PAL	√	-	-	-
3	525/60i (SD)	√	-	-	-
4	625/50i (SD)	√	-	-	-
5	720*480/59.94p	-	-	-	-
6	720*576/50p	-	-	-	-
7	1280*720/23.98p	-	-	-	-
9	1280*720/24p	-	-	-	-
9	1280*720/50p	√	-	√	√
10	1280*720/59.94p	√	-	√	√
11	1280*720/60p	√	-	√	√
12	1920*1035/59.94i	√	-	√	√
13	1920*1035/60i	√	-	√	√
14	1920*1080/50i	√	-	√	√
15	1920*1080/59.94i	√	-	√	√
16	1920*1080/60i	√	-	√	√
17	1920*1080/23.98p	√	-	√	√
18	1920*1080/23.98p sf	√	-	√	√
19	1920*1080/24p	√	-	√	√
20	1920*1080/24psf	√	-	√	√
21	1920*1080/25p	√	-	√	√
22	1920*1080/25psf	√	-	√	√
23	1920*1080/29.97p	√	-	√	√
24	1920*1080/29.97p sf	√	-	√	√
25	1920*1080/30p	√	-	√	√
26	1920*1080/30psf	√	-	√	√
27	1920*1080/50p	-	√	-	-
28	1920*1080/59.94p	-	√	-	-
29	1920*1080/60p	-	√	-	-
30	2048*1080/23.98p	√	-	-	√
31	2048*1080/23.98p sf	√	-	-	√
32	2048*1080/24p	√	-	-	√

33	2048*1080/24psf	√	-	-	√
34	2048*1080/25p	-	-	-	√
35	2048*1080/25psf	-	-	-	√
36	2048*1080/29.97p	-	-	-	√
37	2048*1080/30p	-	-	-	√

Specifications

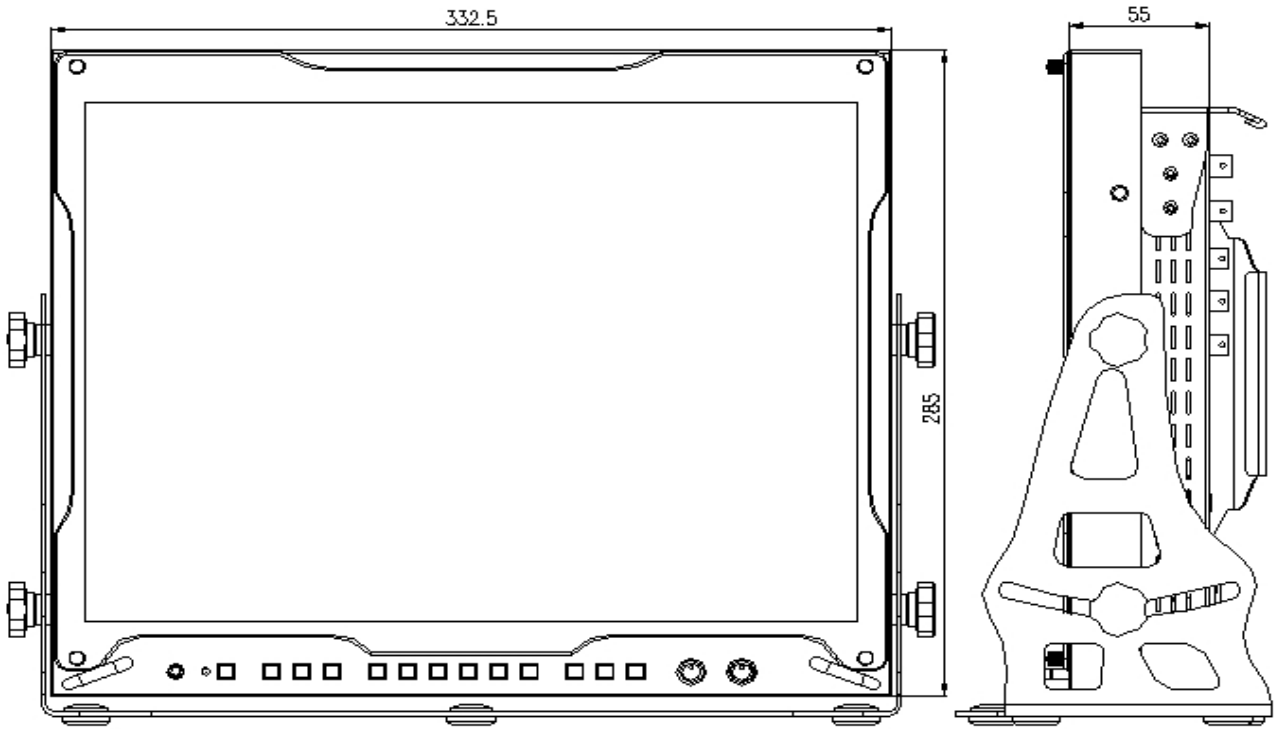
		BSM-153H	BSM-183H	BSM-213H
Input	2 x BNC	HD/SD-SDI, 3G/1.485G/270M		
	3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)		
	1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female		
	1 x DVI	DVI-I, 24pin, Female		
	1 x VGA	DVI-I to VGA Jack (with gender)		
Output	2 x BNC	SDI-1/2 Active Loop Output		
	3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)		
I/O Port	1 x Phone Jack In	Line In(Stereo)		
	2 x Phone Jack Out	Line Out(Rear, Stereo), Headphone Out(Front, Stereo)		
	2 x Speaker Out	2W+2W, Stereo		
LCD	Size	15"	18.5"	21.5"
	Resolution	1024 * 768	1366 * 768	1920 x 1080
	Pixel Pitch	0.297mm	0.300mm	0.248.25mm
	Color	16.7M(8bit) Colors	16.7M(6bit+HI_FRC) Colors	16.7M(8bit)
	Viewing Angle(deg)	160(H), 160(V)	170(H), 160(V)	178(H), 178(V)
	Luminance of White	1500 cd/m ²	1200 cd/m ²	1200 cd/m ²
	Contrast	700 : 1	1000 : 1	3000 : 1
	Display Area (H X V)	304.128 x 228.096 (mm)	409.8 X 230.4 mm	476.64 x 268.11 (mm)
	Back Light	LED	LED	LED
Power Requirements	DC 12V/24V, AC100-230V(50/60Hz)			
Power Consumption	41W	62W	90W	

Operating Temperature	0°C ~ 40°C		
Operating Humidity	20% ~ 80% RH		
Dimension(W*H*D)	332.5x285.0x55.0mm (13.0x11.2x2.1inches)	438.4 x 310.8 x 65.9mm (17.2 x 12.2 x 2.5 inches)	503.6 x 348.0 x 59.2mm (19.8 x 13.7 x 2.3 inches)
Accessory	• Power Cable • Manual(CD) • Cleaner		
Option	• V-Mount • Anton Bauer • SunHood • Protect • WALL Bracket • Carrying Case • Rack Mount		

* Specifications are subject to change without prior notice for product quality improvement.

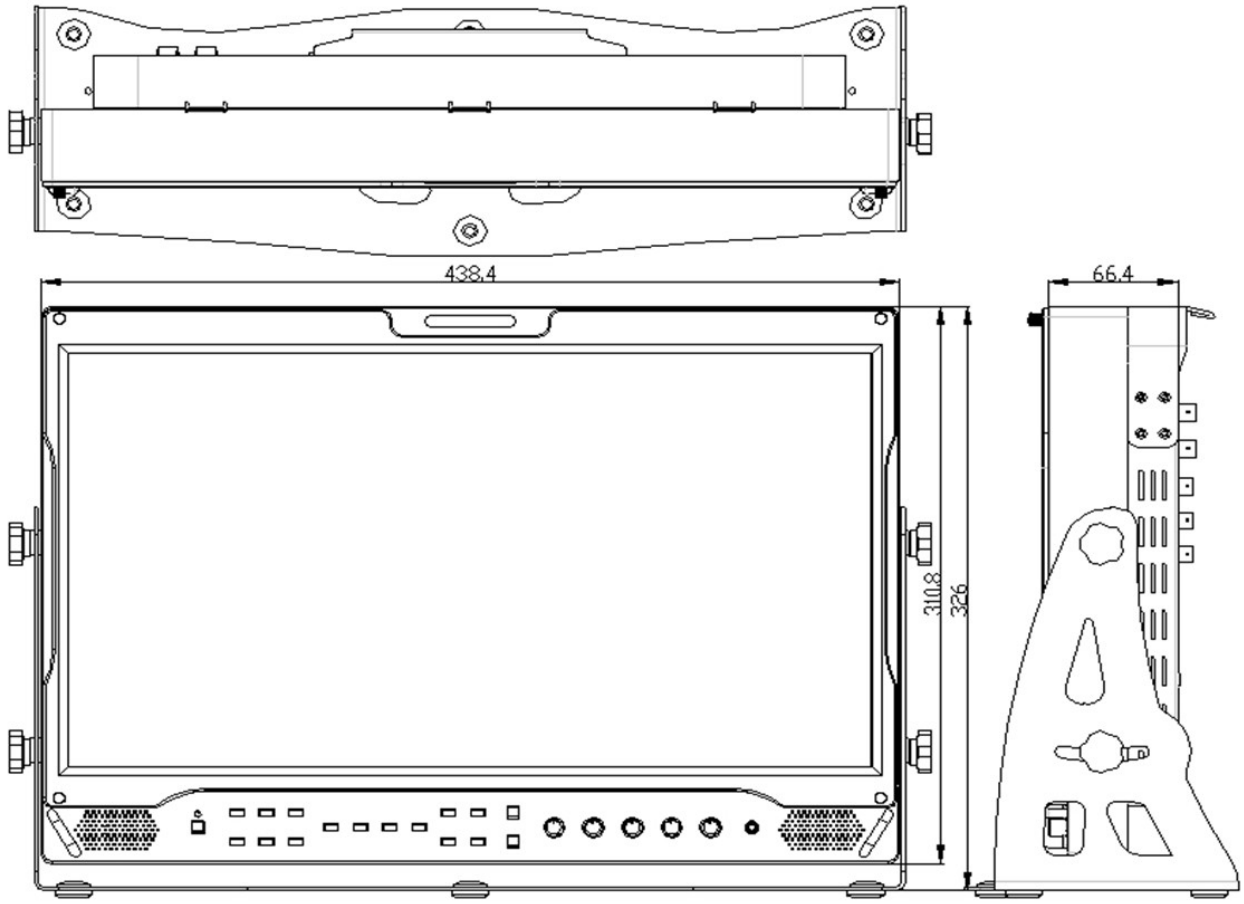
Dimensions

BSM-153H



MODEL	Unit	W	H	D	Remark
BSM-153H	mm	332.5	285.0	55.0	without Stand
	inches	13.0	11.2	2.1	

BSM-183H



MODEL	Unit	W	H	D	Remark
BSM-183H	mm	438.4	310.8	65.9	without Stand
	inches	17.2	12.2	2.5	

Troubleshooting

Try these if you have trouble in using the monitor. Call for Service if you can't solve the problem even after you tried these solutions.

Symptom	Solution
Power isn't turned on	Check Connectivity of Power Cable between Outlet and the Monitor. Press and Hold Power button for more than one second. Try with Other Monitor or Electric Device using the same Power Cable.
Screen is Black and All Button Lights are On in startup process	Reconnect the Power and Restart the Monitor. (Call for Service if the Symptom appeared more than 3 times)
Screen is Black on Startup and there's neither BON Logo nor "No Signal" Display, but Buttons are Working	Reconnect the Power and Restart the Monitor. (Call for Service if the Symptom appeared more than 3 times)
There's a delay in BON Logo Display on Startup	It is normal and No Reaction Required.
BON Logo appeared on Startup, but No Screen Output when Input Signal Connected	Remove Input Cable and Check if "No Signal" appears on Screen. - restart the Monitor if you can't see "No Signal" - Make Monitor "Factory Default" and Try again and Try again - Check the Cable Connectivity - Try with Different Cable - Check the Input Format and Frequency - Try with Different Input Device. If successful, the Failed Input Device may Generate Non-Standard Signal (Please Inform Us its Model Name).
"No Signal" appears on the Screen	Check the Input Selection. Make Monitor "Factory Default" and Try again. Try with Different Input Cable. Check the Cable Connection. Check if the Input Format and Frequency is Supported. Try with Different Input Device. If successful, the Failed Input Device may Generate Non-Standard Signal (Please Inform Us its Model Name).

Strange Color on BON Logo on Startup	Reconnect the Power and Restart the Monitor. (Call for Service if the Symptom appeared more than 3 times)
the Startup Logo Color was ok but Strange Color on Active Screen	Make Monitor "Factory Default" and Try again. Select Test Pattern(Internal Pattern) in the menu and See if R,G,B Color is Correct. Check the Input Selection. Try with Different Cable. Check if Each Cable is correctly Connected when you use Component as Input.
Screen Position Mismatch	Make Monitor "Factory Default" and Try again. Reconnect the Power and Restart the Monitor. Try with Different Input Device. If successful, the Failed Input Device may Generate Non-Standard Signal (Please Inform Us its Model Name).
No Audio Output	Check if the Volume level is 0. Display the Audio Level Meters and See its output.
Colors look different between different models	Give your Monitor 1 hour warmup time. Because Different Panels have different Characteristics, Colors might look Different.
Colors look different between same models	Give your Monitor 1 hour warmup time. Same Panels are not exactly same but they have a tolerance range among them by the Panel Manufacturer, so Colors might look Different. * The tolerance range is in Panel Standard Document included in CD

Warranty Information

Free Service

If the product needs to be repaired in 12 months from the purchase.

Exceptions

- damage caused by accident, abuse, misuse, water, flood, fire, or other acts of nature or external causes
- damage caused by service performed by anyone who is not an authorized service provider
- damage to a product that has been modified or altered without the written permission of BON

Service to be Charged

If the product needs to be repaired after 12 months from the purchase.

Modification of Product

Dimensions, specifications or design of the product are subject to change without prior notice for product improvement.

Caution on Menu Operation

OSD Menu might be freezed or broken on very high-quality or complicated pictures input. In that case, turn off the power for 5 seconds and turn it on to make Menu works.

Caution for Monitor Placement

For long lifetime and proper operation of the monitor, all surface of the monitor should not be blocked by any material for ventilation.



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