ULE-217-HDR

21.5" 3G-SDI BROADCAST MONITOR

EDITION : September 2019

Ikegami

Please read this manual thoroughly before use, and keep it handy for future reference.

CONTENTS

SAFETY INSTRUCTION

Important Safety Instruction

1. Read all warnings.
2. Follow all instructions to ensure longevity of monitor.
3. Do not place the monitor near water.
4. Clean only with dry cloth.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers,stoves, or other heat generating devices.
7. Do not override the safety purpose of the polarized or grounding-type plug.
8. A polarized plug has two blades with one wider than the other.
9. A grounding type plug has two blades and a third grounding prong.
10. The wide blade or the third prong are provided for your safety.
11. If the provided plug does not fit into your outlet, consult with electrician for replacement of the outlet.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where it connects to the monitor.
13. Only use attachment/accessories specified by the manufacturer.
14. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the monitor. When a cart is used, use caution when moving the cart & monitor in combination to avoid injuries.
15. Unplug the monitor during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the monitor has been damaged in any way.

The monitor shall not be exposed to dripping or splashing and objects containing liquids, such as vases shall be placed near the monitor.
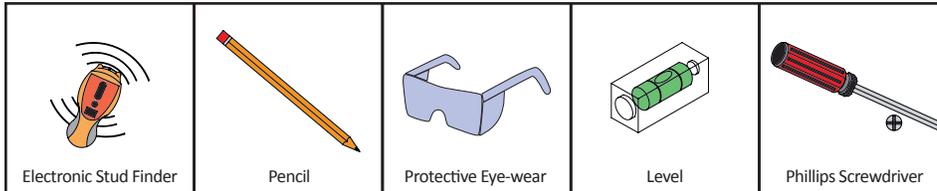
The monitor should have ample distance (e.g. 10cm) from the wall for sufficient ventilation.

The device has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the device should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

INSTALLATION

Installation Tools

The following tools may be required depending on your installation.

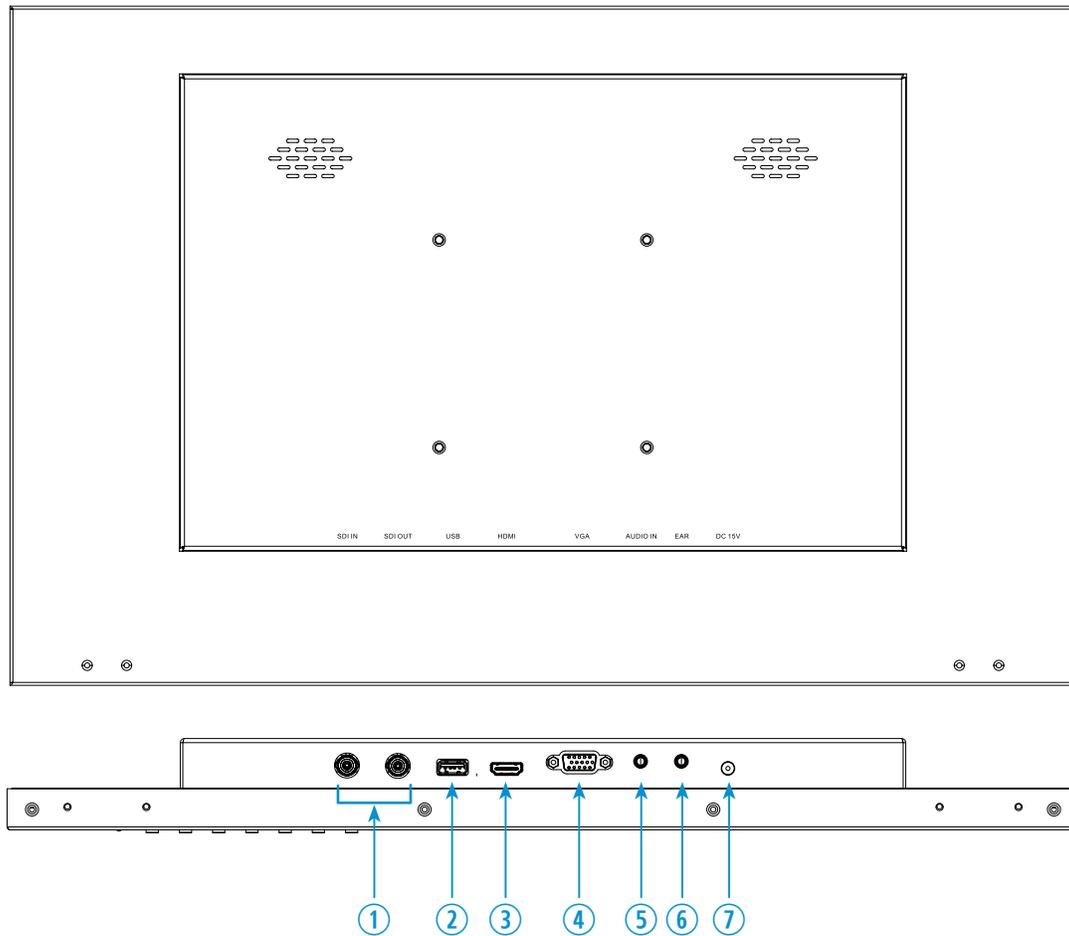| Electronic Stud Finder	Pencil	Protective Eye-wear	Level	Phillips Screwdriver

Assembly Components - provided

Your Ikegami monitor is shipped with all proper installation hardware and components. If there are parts missing and/or damaged, please stop the installation and contact Ikegami at (201) 368-9171.

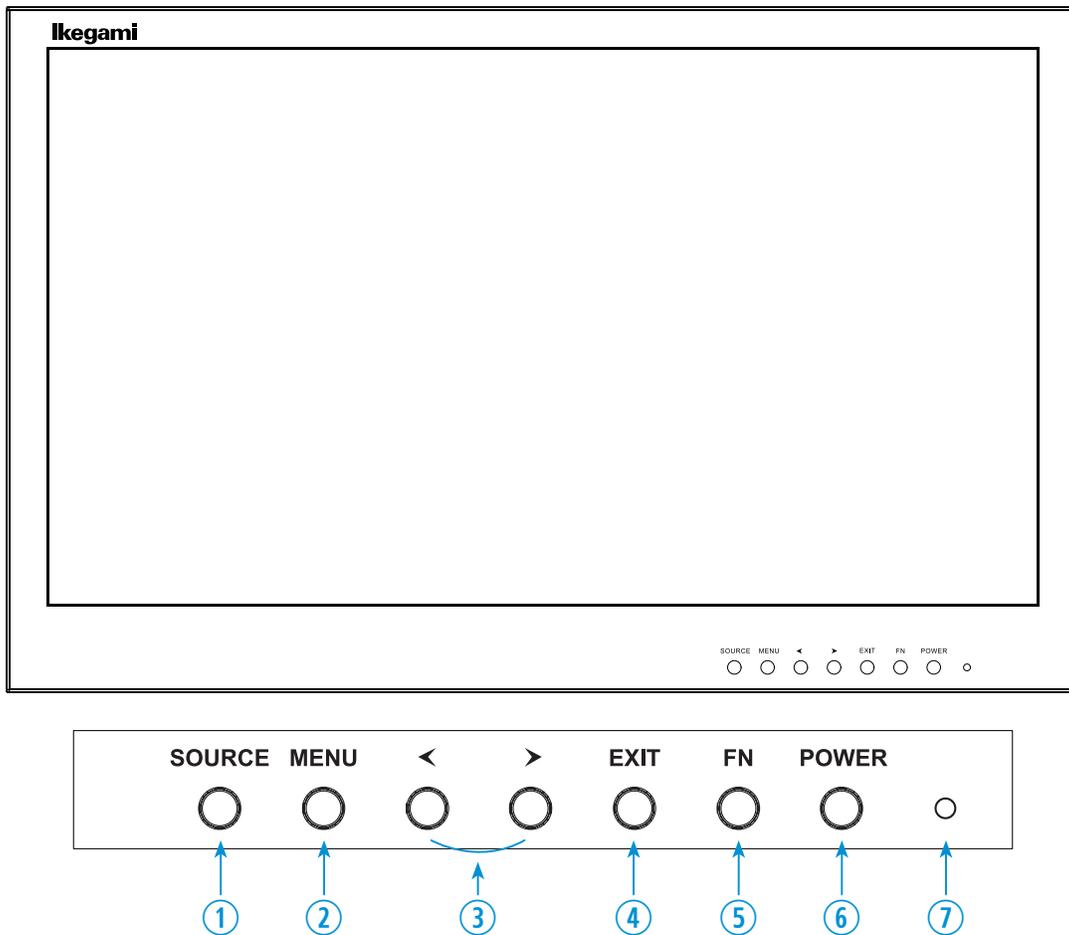| LED Monitor (Qty 1) & Base Stand (Qty 1set)	User Manual (Qty 1)	DC 15V Power Supply (Qty 1) 100-240V Power Cable (Qty 1)	

CONNECT EXTERNAL EQUIPMENT

Interface Input Ports

1. 3G-SDI IN / OUT
2. USB (Only for program upgrades, do not use if non-professionals)
3. HDMI IN
4. VGA
5. AUDIO IN
6. AUDIO OUT
7. DC 15V IN

CONTROL AND FUNCTION

Monitor Button Function

1. Source
   Select an input source
2. Menu
   Enter the MENU, save the adjustment of sub-menu and exit the OSD
3. Left & Right ◄ ►
   Change the value on selected menu
4. Exit
   Exit the MENU or go back to previous MENU selection

5. FN
   User definable switch. Default function is 'HDR'
6. Power
   Monitor power on / off
7. LED Indicator
   Blue color: monitor on
   Red color: monitor off

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CONTROL AND FUNCTION

Monitor Button Function

Shortcut key: <u>FN user-definable function switch</u>
1. Select **"MEMU / SYSTEM / FN Configuration"** to custom FN shortcut setting. Then press ◀ ▶ button to choose options.
2. Press **"MENU"** to confirm option as default, then press **EXIT** to exit.

Function of FN switch can also be customized: HDR, Mute, Image Flip, Display Scan and Aspect.
Default function: HDR

◀ ▶ Switch Operation
1. Press ◀ ▶ button to activate the Volume bar when not under the menu display.
2. Press again to adjust the value of option directly.
3. Press **'EXIT'** to exit if accidentally enter the menu.
4. After enter the Volume menu, press **'MENU'** to select between volume, brightness, contrast, saturation, tint and sharpness.

MENU Operation
1. When power on, press **'MENU'** on the device, the menu will display on the screen.
2. Press button to choose sub-menu
3. Then press **'MENU'** button to confirm
4. Press **'EXIT'** button to return/exit **'MENU/SUB-MENU'**.

CONTROL AND FUNCTION

Picture

FUNCTION		VALUE
Brightness	Setup the brightness	0 ~ 100
Contrast	Setup the contrast	0 ~ 100
Saturation	Setup the saturation	0 ~ 100
Tint	Setup the tint	0 ~ 100
Sharpness	Setup the sharpness	0 ~ 100
Color Temperature	Setup the color temperature	6500°K, 7500°K, 9300°K, User
Red Gain	Setup the Red contrast(gain) level	0 ~ 255
Green Gain[1]	Setup the Green contrast(gain) level	0 ~ 255
Blue Gain[1]	Setup the Blue contrast(gain) level	0 ~ 255
Red Offset[1]	Setup the Red brightness(offset) level	0 ~ 511
Green Offset[1]	Setup the Green brightness(offset) level	0 ~ 511
Blue Offset[1]	Setup the Blue brightness(offset) level	0 ~ 511

1) In 'User' mode, users can define RGB Gain and Bias values for own purpose

CONTROL AND FUNCTION

Function

	FUNCTION	VALUE
Aspect	Setup the display ratio	16:9, 4:3
Display Scan	Display the scan mode	Fullscan, Overscan, Underscan
HDR	Setup the HDR	OFF, HLG, HDR10_300, HDR10_1000, HDR10_10000

PC

	FUNCTION	VALUE
Auto	Fit the image size automatically	OFF, ON
Phase	Adjust the vertical timing of screen image	0 ~ 100
Clock	Adjust the number of horizontal picture element	0 ~ 100
H-Position	Adjust the horizontal position of picture	0 ~ 100
V-Position	Adjust the vertical position of picture	0 ~ 100

Only available in VGA mode

CONTROL AND FUNCTION

Audio

	FUNCTION	VALUE
Volume	Adjust volume on monitor	0 ~ 100
Mute	Turn on/off the audio	OFF, ON

System

	FUNCTION	VALUE
Language	Set the language of the OSD menu	English, Chinese
OSD Timer	Set the OSD display time	10 , 20, 30 sec
OSD Transparency	Set the OSD MENU transparency	OFF, LOW, MIDDLE, HIGH
FLIP Image	Flip the display image	OFF, H, V, H/V
Backlight	Adjust the back light	User, Auto
EDID Switch	Set the EDID switch level	EDID 2.0, EDID 1.4
FN Configuration	Set up shortcut functions	HDR, Mute, Image Flip, Display Scan, Aspect
Reset	Reset the monitor settings to factory default	OFF, ON

SPECIFICATION

Model No.		ULE-217-HDR
Display	Panel Type	21.5'' LED Backlit Monitor
	Pixel Pitch	0.24795 (H) x 0.24795 (V) mm
	Brightness	500 cd/m²
	Contrast Ratio	1000 : 1(Typ.)
	Viewing Angle	R/L : 89°/ 89° U/D : 89°/ 89°
	Color Depth	16.7 Million Colors
	Response Time	< 20 ms
	Max. Resolution	1920 (H) x 1080 (V) @60Hz
	Aspect Ratio	16 : 9
Audio	Speaker	2 x 2W
Dimension & Weight	Weight	12.3lbs (5.6 kg)
	Dimensions (W x H x D)	20.32 x 12.99 x 1.72" (516.0 x 330.0 x 43.6 mm)
Interface	3G-SDI In / Out	1 / 1 (BNC, 1 input / loop-through out)
	HDMI In	1
	RGB In	1
	USB	1
	Audio In / Out	1 / 1
General	Operating Temperature	32 - 122°F / 0 - 50°C
	Electrical Ratings	DC15V (AC100 ~ 240V[50/60Hz])
	Case Type	Black Metal
	Power Consumption	≤ 30 W
	Accessories	Monitor x1, Power Adapter x1, Base Stand x1, Manual x1

SPECIFICATION

Model No.			ULE-217-HDR
Input Signal Format	SDI	SMPTE 425M - A&B (YCbCr 4:2:2)	1080p (60/59.94/50)
		SMPTE 274M (YCbCr 4:2:2)	1080i (60/59.94/50), 1080p (30/29.97/25/24/23.98), 1080Psf (30/29.97/25/24/23.98), 720P(60/59.94/50/30/29.97/25/24/23.98)
		SMPTE 296M (YCbCr 4:2:2)	525i (NTSC 59.94)
		SMPTE 125M (YCbCr 4:2:2)	625i (PAL 50)
	HDMI		525i/625i/480p/576p
			720p (60/59.94/50/30/29.97/25/24/23.98)
			1080i (60/59.94/50)
			1080p (60/59.94/50/30/29.97/25/24/23.98)
			3840x2160p (60/59.94/50/30/29.97/25/24/23.98)
			4096x2160p (60/50/29.97/25/24/23.98)
	VGA		VGA, SGA, XGA, SXGA, WXGA, WUXGA
Special Features		EDIT Switch	EDID 2.0 / EDID 1.4
		HDR / SDR	Support
		RGB Gain	-128 to +128
		RGB Bias	-128 to +128

TROUBLESHOOTING GUIDE

- Check the following before calling for service.
- If the same problems continue after checking, contact the reseller you purchased the monitor from.

At start	We recommend that you test with different input sources when you have trouble with the current input source. If symptom persists, follow the instructions below. After following the instructions below, please contact Ikegami at (201) 368-9171.
Only black-and-white display	Check whether the color saturation is properly setup.
Power on but no pictures	Check whether the cables of Video, HDMI, RGB and SDI are correctly connected. Please use the standard power adapter coming with the product package. Improper power input may cause the device.
Wrong or abnormal colors	Check whether the cables are correctly and properly connected. Broken or loose pins of the cables may cause a bad connection.
When on the picture shows size error	Press "MENU → Function → Underscan" to zoom in/out pictures automatically when receiving HDMI signals
Other problems	Please press menu switch and choose "MENU→SYSTEM→ Reset →ON"

Note: due to constant effort to improve products and product features, specifications may change without notice.

NOTE

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