

Ikegami



MONITORS WONLOB2

High-End Broadcast OLED Monitor

[illegible]

* Excluding Options and Stand

- *1 EIAJ ED-2810 dark place, partial lighting contrast
- *2 Tentative figure
- *3 Supports after MPU(Ver 01.24) and FPGA(Ver 06.06)
- *4 Supports after Rev2

High-End Broadcast OLED Monitor



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Evolutionary Features of the HEM-2570W & the HEM-1770WR OLED Master Monitors

● OLED Features

◆ High Contrast and Fast Quick Motion Response

OLED is a light emitting device, as well as an LED, but unlike the flat picture image projected from the rear of an LCD panel, it is similar to the picture image produced by reflection of natural light we are always looking at with our eyes, realistically reproducing the brightness of the twinkle of the stars, the black color of a grand piano, etc.

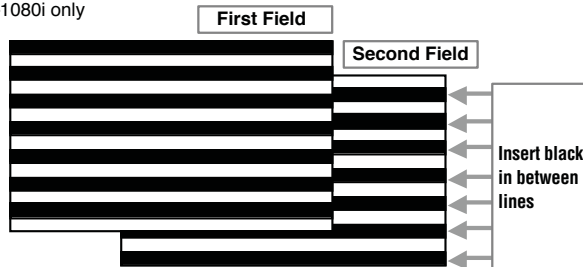


Also, its organic emitters instantly react to the change of current when video level is changed, it can achieve the same performance as a CRT in motion response even when shooting objects moving quickly in sports, etc.

◆ Interlace Display Function

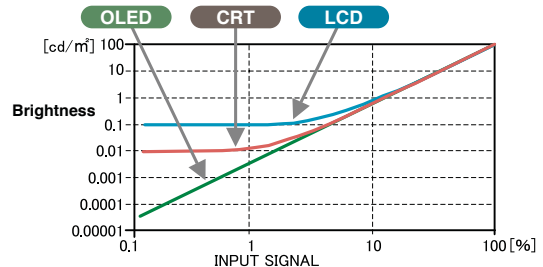
In the case of the OLED monitor, there is no I/P conversion displaying "BLACK" between the lines, the same as with a CRT monitor. It is possible to directly display the input signal as it is without passing through an extra interpolation process. It is also possible to reproduce the microscopic noise and almost invisible flicker which could only be reproduced by a CRT monitor, with the same performance as a CRT.

※1080i only



◆ CRT Gamma Function

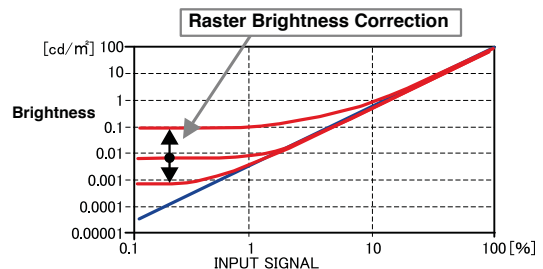
With an OLED panel, black does not emit, so, it is possible to reproduce exceedingly true black color. Ikegami's OLED monitors have a CRT Gamma Mode setting approximating the gamma of the CRT monitor, providing images with same feeling as previous CRT monitors.



◆ Raster Brightness Correction for CRT Gamma

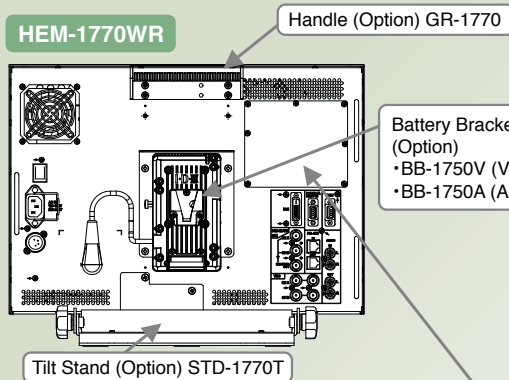
In the case of a CRT monitor, the raster brightness is slightly different depending on the type of CRT. Ikegami's OLED monitors allow users to voluntarily correct the setting of CRT gamma according to the raster brightness of the master monitor being used at present.

The Raster Brightness Correction function allows comfortable transition when upgrading from CRT to the new OLED technology.

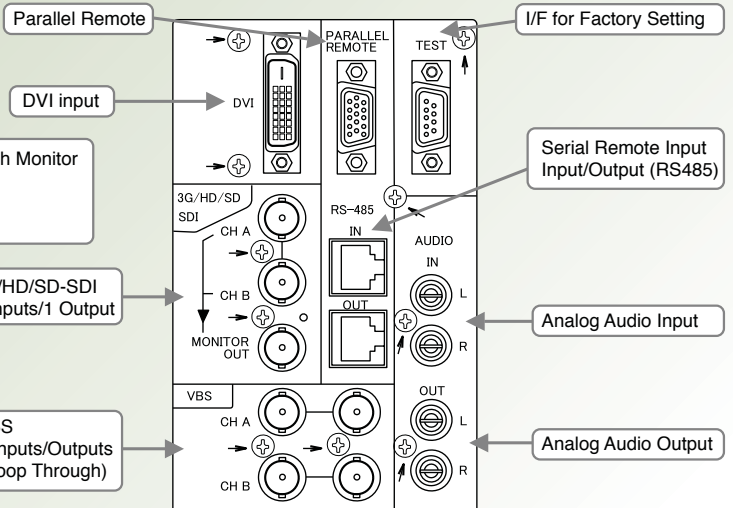
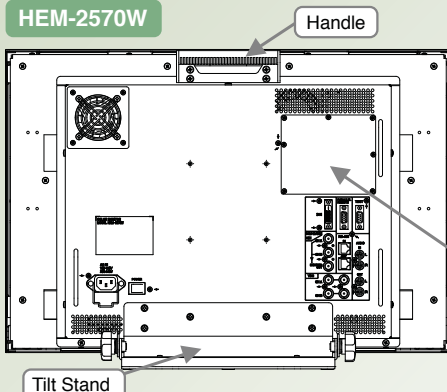


● Supports various Inputs/Outputs

HEM-1770WR

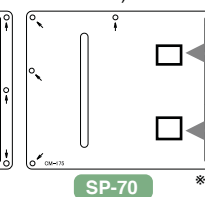
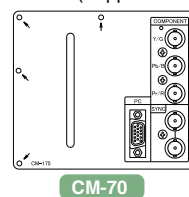


HEM-2570W



Slot for Optional Modules

- CM-70 (Analog RGB/YPbPr, PC Input)
- SP-70 (Supports two SFP modules)



<Available SFP Modules>

- EB34TD1R-SN HDMI Module 1 input
- EB30HD2R-LN 3G-SDI Module 2 Inputs
- EB30HDRT-LN 3G-SDI Module 1 Input/ 1 Output

※ HDCP is not available.
Other type of modules are under consideration.



HLM-1751WR 17-inch HDTV/SDTV Full HD Pixel Multi-format LCD Color Monitor

RoHS

High-End Broadcast LCD Monitor



The HLM-1751WR employs a 17-inch full 1920X1080 pixel 10-bit resolution LCD panel, and achieves compact size, light weight, and low power consumption. It supports 3G/HD/SD-SDI inputs, also DVI-D and VBS inputs as standard. By employing a full 1920x1080 pixel 10-bit LCD panel which has wide viewing angle, high brightness, high contrast, quick motion response, and superb color reproduction, the HLM-1751WR achieves one-by-one pixel allocation without resizing and superb gradation characteristics for a wide range of broadcast applications. Also, the monitor supports DC power input, allowing for outdoor operation.



| | | | | | | | | |
|---|--|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------|--|-------------------------------|--|
| 17-inch Full HD | 1920×1080 pixel | Viewing Angle 178degree(H/V) | Contrast Ratio 1000:1 | AC:45W (max) DC:39W (max) | | | | |
| VBS Input | Y, P_b, P_r/RGB Input ▲ | 3G/HD/SD(4:2:2)-SDI Input | Embedded Analog Audio Output | Embedded Audio Meter | DVI-D Input | Analog PC Input ▲ | Analog Audio 2ch Input | |
| 5.1ch Surround Down-mix | ASP-100 ▲*2 | | | | | | | |
| 4:3/16:9 | Remote (Parallel) | Remote (Wireless) | Remote (Mouse) | Remote (RS485) | Marker | User Marker (10 scenes) | Shadow | |
| 7-Test Signal Generator | 10-Color temperature-memory | Stereo Speaker | Stereo Headphone | VITC Display | WFM Monitoring Display | Split Screen/Full Screen Comparison | Dot-by-Dot Display | |
| Vector Scope Display | Mouse Menu Control | USB Memory (Data/Picture) | IMD Display | 2Times/4Times Zoom | Mix Test Signal | Closed Caption ▲*1 | | |
| W428×H301×D96mm (W16.9×H11.9×D3.8inches) | 7RU | Approx 6.5kg (14.33lbs) * | | | | | | |

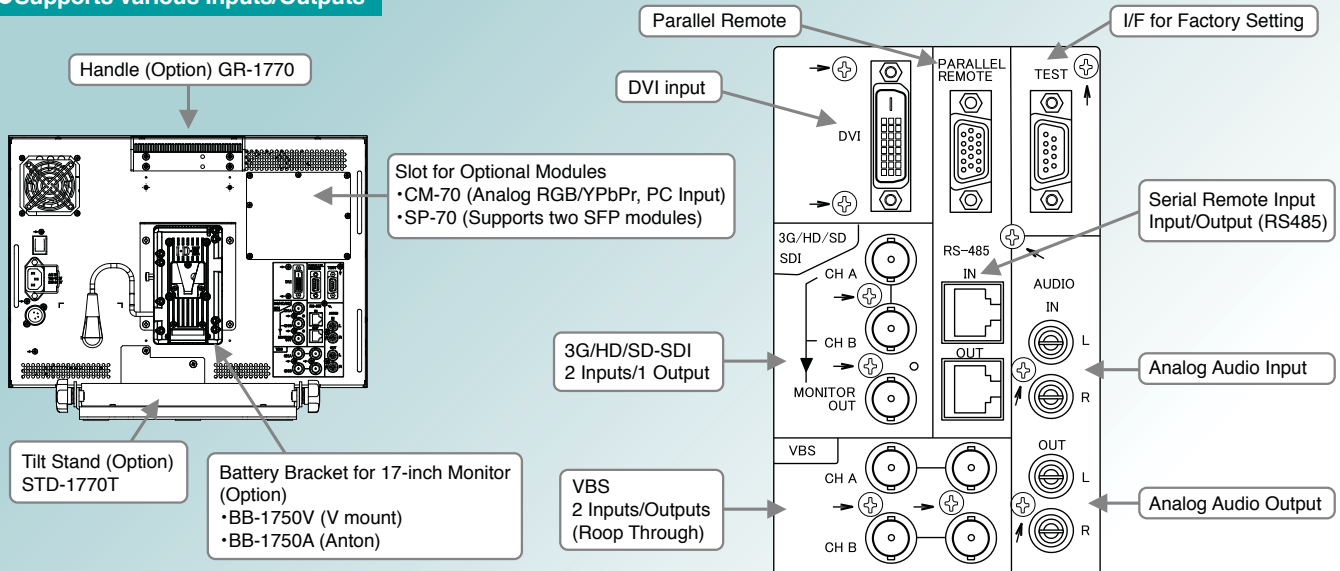
*1 Supports after MPU(Ver 01.22) and FPGA(Ver 05)
*2 Supports after Rev1

* Excluding Options and Stand

▲ Option

Evolutionary Features for HLM-1751WR Full-HD LCD Monitor

● Supports various Inputs/Outputs





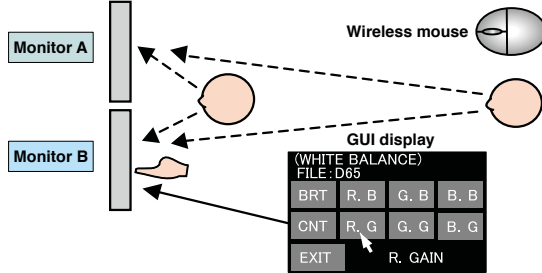
Common features for HEM-1770WR, HEM-2570W, HLM-1751WR, HLM-1705WR OLED/LCD Monitors

White balance adjustment Assist Function

The monitors are equipped with various ways to adjust the white balance easier.

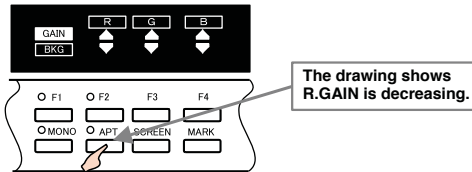
● Adjustment by wireless Mouse

A GUI Display with pointer for white balance setting will appear on the screen, and the color temperature can be adjusted by using a wireless mouse.



● Adjustment by assignment of the front panel controls

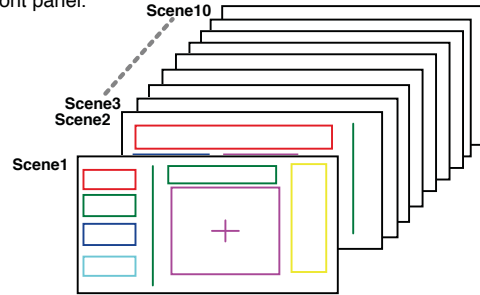
By assigning the color temperature adjustment functions to each of 8 controls on the front panel, white balance can be done easily.



Use Maker Function (Patent Pending)

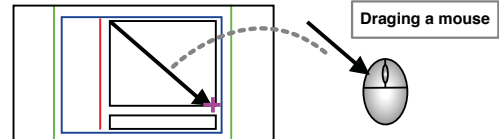
● 10 different Scene files for User Markers

It is possible to create User Marker displays, up to 10 scenes. Each scene can be set in real time by users with the "FUNCTION" switch on the front panel.



● Easy Drawing with USB Mouse

Marker drawing with a USB mouse is possible. For precise adjustment, it is possible to adjust down to 1 pixel out of 1920x1080 pixels. Also, numerical management is provided with XY coordinate data. In addition, by saving the files to USB memory, the marker data can be copied to another HEM series monitor.



High performance 12-BIT VIDEO PROCESSING Engine

In order to reproduce true 10-bit smooth gradation, a cutting-edge 12-bit video processor is incorporated. It greatly increases gradation levels, resulting in much smoother and more natural images, for example in the skin tone or the reproduction of clouds.

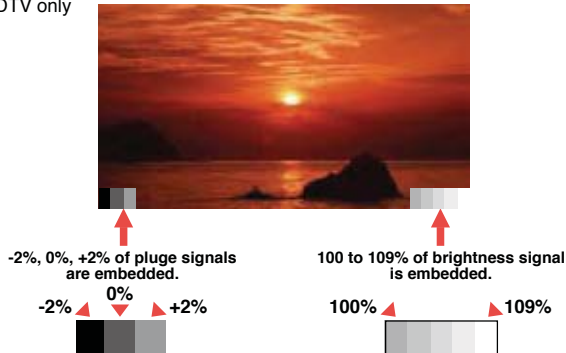


* Except HLM-1705WR

MIX TEST SIGNAL Function

It is possible to mix the live picture with a reference TEST signal generated by the monitor. This provides a good reference for black and white levels which could otherwise be difficult to confirm with certainty due to the front panel adjustment of Contrast and Brightness.

Regarding the peak level of the input signal, users can confirm an overload with the Alarm LED (OVER RANGE) on the Front panel.
*HDTV only



Zoom Display Function

This function is to enable 2X/4X magnification without scaling of the image. It is useful to confirm errors in the signal, such as dead pixels of a CCD camera and to check in the detailed sections of the picture.



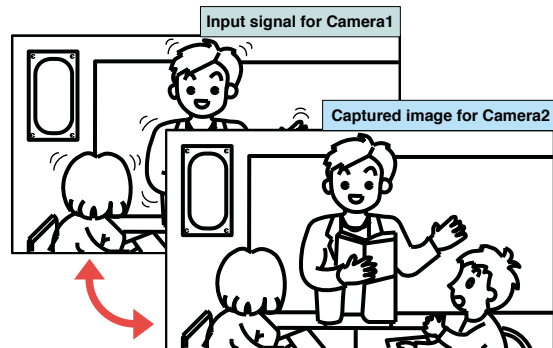
Full Screen Capture Function

* Except HLM-1705WR

By capturing a full screen (1920x1080), it is possible to compare a live image with a captured still image. Switching between live and still can be done manually or automatically. By copying a captured image to USB memory, users can set the same viewing angle as in the prior shot referring to the captured still image.

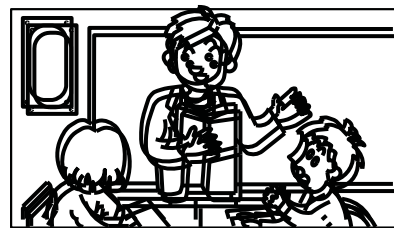
● Manual Switching

By capturing the image of one of two cameras, it allows users to switch and compare a captured still image with the live image of the other camera. Even if the two video images are not synchronized, switching of images can be done smoothly without any shock. It is useful for luminance or color tone adjustment.



● Auto Switching

The time interval of auto switching can be changed per frame (1/2/3/5/10/30 frame). By storing the captured still images in USB memory, and then downloading the image, users can set the same viewing angle and same color as in the prior shot. It can be helpful for "frame-by-frame" shooting.





HLM-3250WA 32-inch HDTV/SDTV Full HD Pixel Multi-format LCD Color Monitor

RoHS

High-End Broadcast LCD Monitor



The HLM-3250WA employs a 32-inch Full 1920X1080 Pixel 10-bit resolution LCD panel, and achieves thin size, light weight, and low power consumption. It supports 3G/HD/SD-SDI inputs, also DVI-D and VBS inputs as standard. By employing a Full 1920X1080 pixel 10-bit LCD panel which has wide viewing angle, high brightness, high contrast, quick motion response, and superb color reproduction, the HLM-3250WA achieves real pixel allocation without resizing and superb gradation characteristics for a wide range of broadcast applications, including use in monitor walls.

| | | | | | |
|--|---------------------------|------------------------|------------------------------|------------------------|--------------------|
| 32-inch Full HD | 1920×1080 pixel | 145W | Viewing Angle 178degree(H/V) | Contrast Ratio 1500:1 | |
| VBS Input | 3G/HD/SD(4:2:2)-SDI Input | Embedded Audio Meter | DVI-D Input | Analog Audio 2ch Input | ASP-100▲ |
| 4:3/16:9 | Remote (Parallel) | Remote (Serial) | Remote (Infrared rays) | Remote (RS485) | Marker |
| User Marker | Shadow | Test Signal Generator | 10-Color temperature-memory | Stereo Speaker | Stereo Headphone |
| VITC Display | WFM Monitoring Display | Split Screen | Dot-by-Dot Display | Vector Scope Display | Mouse Menu Control |
| USB Memory Port | | | | | |
| *776×498×110mm (*30.6×19.6×4.3inches) | | *16.3 kg (35.94lbs) | * Excluding Stand | | |

HLM-2450WB 24-inch HDTV/SDTV Full HD Pixel Multi-format LCD Color Monitor

RoHS

High-End Broadcast LCD Monitor



(Optional CM-240 built-in)



The HLM-2450WB employs a 24-inch wide LCD panel and achieves thin size, light weight, and low power consumption. It supports 3G/HD/SD-SDI inputs, also DVI-D and VBS inputs as standard.

By employing a WUXGA(1920X1200) LCD panel which has wide viewing angle, high brightness, high contrast, quick motion response and superb color reproduction, the HLM-2450WB achieves real pixel allocation without resizing and superb gradation characteristics for various applications, including use in non-linear editing.

| | | | | | |
|--|--------------------------------|-----------------------------|------------------------------|------------------------------|------------------------|
| 24-inch Full HD | WUXGA (1920×1200 pixel) | 107W | Viewing Angle 178degree(H/V) | Contrast Ratio 1000:1 | |
| VBS Input | Y, Pb, Pr / RGB Input▲ | 3G/HD/SD(4:2:2)-SDI Input | Embedded AES/EBU Output | Embedded Analog Audio Output | Embedded Audio Meter |
| Analog PC Input▲ | Analog Audio 2ch Input | ASP-100▲ | 5.1ch Surround Down-mix | | DVI-D Input |
| 4:3/16:9 | Remote (Parallel) | Remote (Serial) | Remote (Infrared rays) | Remote (RS485)▲ | Marker |
| Shadow | Test Signal Generator | 10-Color temperature-memory | Stereo Speaker | Stereo Headphone | User Marker |
| Split Screen | Dot-by-Dot Display | Vector Scope Display | Mouse Menu Control | USB Memory Port | VITC Display |
| | | | | | WFM Monitoring Display |
| *562×398×101.3mm (*22.1×15.7×4.0inches) | | *9.3kg (20.5lbs) | * Excluding Stand | | |



HLM-1705WR 17-inch Full HD Pixel Multi-format LCD Color Monitor

RoHS

High-End Broadcast LCD Monitor



The HLM-1705WR employs a 17-inch full 1920×1080 pixel resolution LCD panel, and achieves compact size, light weight, and low power consumption, providing practical use in a wide range of broadcast applications such as sub-control room, editing / monitor rack, ON-AIR console, OB Van etc.

It supports 3G/HD/SD-SDI inputs, also VBS inputs as standard.

By employing a full 1920×1080 pixel LCD panel which has wide viewing angle, high brightness, high contrast, quick motion response and superb color reproduction, the HLM-1705WR achieves one-by-one pixel allocation without resizing and superb gradation characteristics.

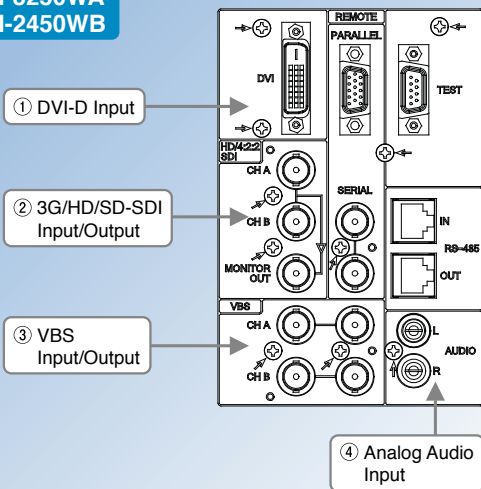
| | | | | | | |
|--|-----------------------------|------------------------------|--------------------------|-------------------------|--------------------------------------|--------------------|
| 17-inch Full HD | 1920×1080 pixel | Viewing Angle 178degree(H/V) | Contrast Ratio 1000:1 | AC:40W (max) | *2 | |
| VBS Input | 3G/HD/SD(4:2:2)-SDI Input | Embedded Audio Meter | Analog Audio 2ch Input | 5.1ch Surround Down-mix | ASP-100▲ | |
| 4:3/16:9 | Remote (Parallel) | Remote (Mouse) | Remote (RS485) | Marker | User Marker (10 scenes) | Shadow |
| 7-Test Signal Generator | 10-Color temperature-memory | Speaker | VITC Display | WFM Monitoring Display | Split Screen/ Full Screen Comparison | Dot-by-Dot Display |
| Vector Scope Display | Mouse Menu Control | USB Memory (Data/Picture) | IMD Display | 4 Times Zoom | Mix Test Signal | Closed Caption |
| W428×H301×D80mm (W16.9×H11.9×D3.2inches) | | 7RU | Approx 6.0kg (13.2lbs) * | | *1 | |
| | | | | | *2 Supports after Rev1 | |

* Excluding Options and Stand

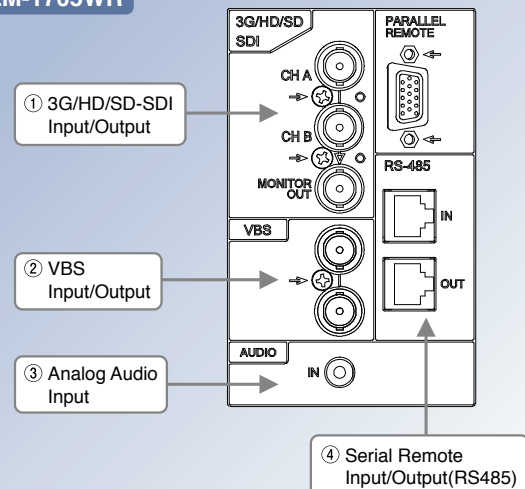
▲ Option

HLM-3250WA·HLM-2450WB·HLM-1705WR Variety of Input/Output

HLM-3250WA HLM-2450WB



HLM-1705WR





HLM-905WR 9-inch HDTV/SDTV Multi-format LCD Color Monitor

RoHS

High-End Broadcast LCD Monitor



The HLM-905WR is a compact light weight 9-inch LCD monitor, supporting 3G/HDTV/SDTV multi-format SDI and VBS inputs as standard. For its LCD panel, it employs a high resolution WXGA(1280×768) panel incorporating the latest IPS technology with LED back-light, and wide viewing angle. It can be rack mounted in dual monitor configuration, ideal for use in a full range of applications.

The HLM-905WR is low in power consumption, supporting either AC or DC powering. Battery operation is available using an optional battery bracket. The monitor has a USB connector on the operation panel, allowing setup file store & recall, as well as, remote operation from a mouse for menu navigation, including user maker operation, etc.

| | | | | | | | |
|--|-----------------------------|------------------------------|------------------------------|------------------------|-------------------------|--------------------------------------|--------------------|
| 9-inch Wide | WXGA (1280×768 pixel) | AC: 23W DC: 20W | Viewing Angle 176degree(H/V) | Contrast Ratio 1000:1 | AC Input | DC Input | Battery▲ |
| VBS Input | 3G/HD/SD(4:2:2)-SDI Input | Embedded Analog Audio Output | Embedded Audio Meter | Analog Audio 2ch Input | 5.1ch Surround Down-mix | ASP-100▲ | *1 |
| 4:3/16:9 | Remote (Parallel) | Remote (Serial) | Remote (Mouse) | Remote (RS485)▲ | Marker | User Marker | Shadow |
| Test Signal Generator | 10-Color temperature-memory | Speaker | Stereo Headphone Jack | VITC Display | WFM Display | Split Screen/ Full Screen Comparison | Dot-by-Dot Display |
| Vector Scope Display | Mouse Menu Control | USB Memory (Data/Picture) | IMD Display | | | | |
| W222.4×H173.6×D69.5mm (8.8×6.8×2.8inches) | | 4RU | Approx. 2.0kg* (4.41lbs) | * Excluding Stand | | | |

*1 Supports after Rev1

▲ Option

Evolutionary Features for HLM Series Multi-format LCD Monitors

● Variety of Input/Output for HLM-905WR

(1) Multi-format 3G/HD/SD-SDI, 2ch Inputs and 1ch Monitor Output

(2) VBS 1ch Input and 1ch Output

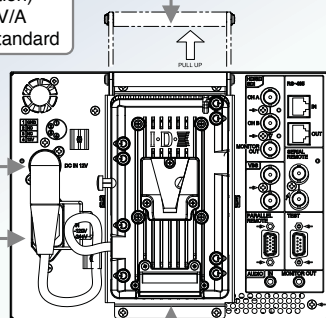
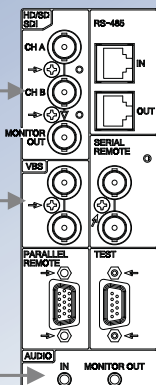
(3) Analog Audio Input/Output
* Audio Output: menu selectable from analog audio input, embedded audio input, or down-mix audio.

(1) GR-904 Handle (Option)
* Comes with BB-904V/A Battery Bracket as standard

(2) DC Input (DV12V)

(3) AC Input (AC100 to AC120V/ AC200 to AC240V)

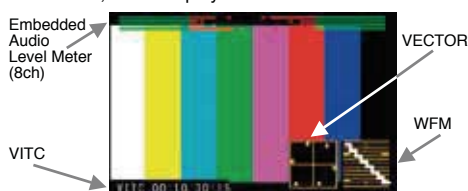
(4) BB-904V/A Battery Bracket (Option)



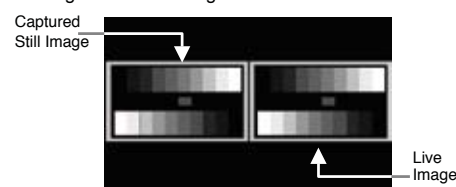
● Versatile Functions

* Except HLM-5013WR/HLM-7012WR

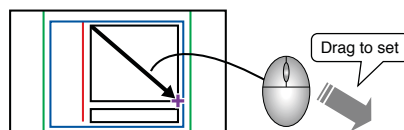
(1) Embedded Audio Level Meter, WFM, VECTOR SCOPE, VITC Display



(2) Split Screen Mode, allows comparing a captured still image and a live image

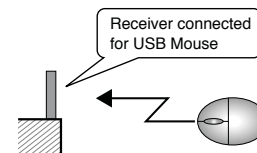


(3) User Marker Display, up to 10 lines or Box Markers with up to 6 colors can be freely set to help plan the layout of information (Patent Pending)



*HLM-905WR supports 10 different Scene Files display

(4) Monitor Menu can be controlled by USB Mouse from remote position



(5) Internal Test Signal Generator

(6) USB Memory Port

(7) Dot-by-Dot Display

(8) Marker Display, within 80% thru 99% by 1% steps

(9) Embedded Audio can be monitored by built-in Speaker or Headphone

(10) 5.1ch Down-Mix, 5.1ch Surround Audio can be down-mixed to 2ch output

(11) IMD Display (HLM-905WR only)



HLM-5013WR 5-inch Triple Multi-Format LCD Monitor

RoHS

High-End Broadcast LCD Monitor



Ikegami introduces a triple 5 inch high performance, rack mount ready, professional broadcast monitor that features 2 channels of SD-SDI/HD-SDI/3G-SDI Multi-Format Signal Inputs, 800X480 with LED Back Light panel resolution, Title Generator, Embedded Audio Level Indicators up to 16ch Waveform Display, Vector Scope and many of the other advantages as higher level broadcast display offerings.

| | | | |
|---|-------------------------------|--------------------------------|-------------------------------------|
| Triple 5-inch Wide | 800×480 pixel | AC:34W DC:28.8W/2.4A | Viewing Angle 170degree(H/V) |
| Contrast Ratio 500:1 | | | |
| 3G/HD/SD(4:2:2)-SDI Input | Embedded Audio Meter | | |
| 4:3/16:9 | Remote (Parallel) | Marker | 3-Color temperature-memory |
| VITC/LTC Display | WFM Monitoring Display | Vector Scope Display | User Display |
| W481.1×H88.1×D56.2mm (W18.88×H3.5×D2.22inches) | 2RU | Approx. 1.7kg (3.75lbs) | |

HLM-7012WR 7-inch Dual Multi-Format LCD Monitor

RoHS

High-End Broadcast LCD Monitor



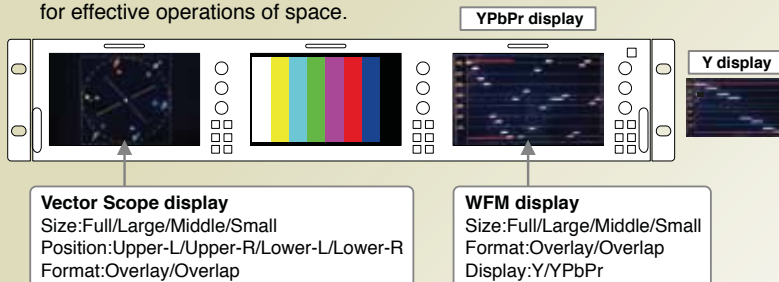
Ikegami introduces a dual 7 inch high performance, rack mount ready, broadcast monitor that features 2 channels of SD SDI/ HD-SDI/3G-SDI Multi-Format Signal Inputs, 800X480 with LED Back Light panel resolution, Title Generator, Embedded Audio Level Indicators up to 16ch Waveform Display, Vector Scope and many of the other advantages as higher level broadcast display offerings.

| | | | |
|---|-------------------------------|--------------------------------|-------------------------------------|
| Dual 7-inch Wide | 800×480 pixel | AC:30W DC:26.4W/2.2A | Viewing Angle 160degree(H/V) |
| Contrast Ratio 1000:1 | | | |
| 3G/HD/SD(4:2:2)-SDI Input | Embedded Audio Meter | | |
| 4:3/16:9 | Remote (Parallel) | Marker | 3-Color temperature-memory |
| VITC/LTC Display | WFM Monitoring Display | Vector Scope Display | User Display |
| W481.1×H132.6×D56.2mm (W18.88×H5.25×D2.22inches) | 3RU | Approx. 2.1kg (4.63lbs) | |

Feature for HLM-5013WR/HLM-7012WR

●WFM & Vector Scope display

(1) Full screen WFM & Vector Scope for effective operations of space.

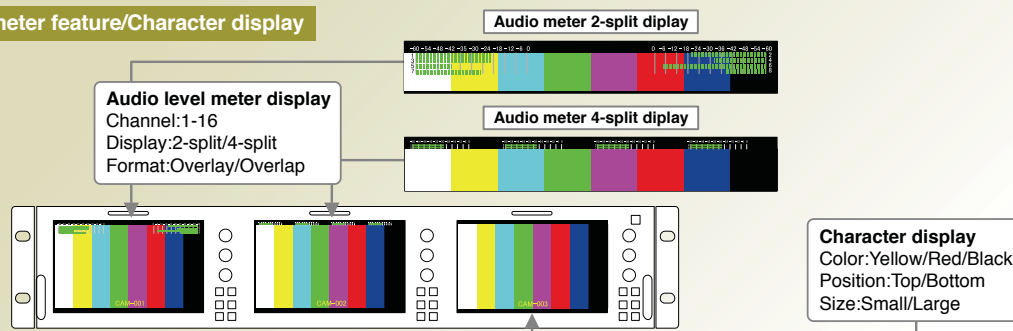


* Below Images are for HLM-5013WR, HLM-7012WR contains similar features.

(2) 4-type of display size. (Full/Large/Middle/Small) Overlapping on video also available.



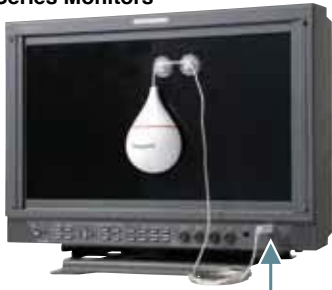
●Audio level meter feature/Character display



ASP-100

Auto Setup Probe

For HLM/HEM Series Monitors



Simply connect the ASP cable to USB interface

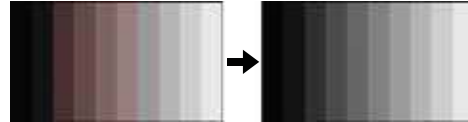
| Monitor | Integrated software | | Integrated Rev# of ASP-100 |
|---------------|---------------------|------|----------------------------|
| | MPU | FPGA | |
| HLM-904WR/WCS | V1.20~ | | |
| HLM-1704WR/WS | V0.94~ | | |
| HLM-1750WR | V1.02~ | | |
| HLM-2450W | V2.02~ | V20~ | |
| HLM-2450WA | V0.94~ | | |
| HLM-2450WB | V0.76~ | | |
| HLM-3250W | V2.02~ | V20~ | |
| HLM-3250WA | | | |
| HLM-1504WR | | | |
| HLM-905WR/WCS | | | after Rev1 |
| HLM-907WR | | | after Rev1 |
| HLM-1751WR | | | after Rev1 |
| HEM-1770WR | | | Rev2 |
| HEM-2570W | | | Rev2 |
| HEM-1770WR | V1.30~ | | after Rev3 |
| HEM-2570W | V1.30~ | | after Rev3 |

The ASP-100 is an auto setup probe that allows automatic white balance adjustment for a selected color temperature and measurements of color temperature and luminance on the HLM/HEM Series of LCD/OLED Monitors.

Features

(1) Automatic white balance adjustments by color temperature file

The probe automatically adjusts white balance at multiple luminance levels to one of 4 user selectable color temperature files (6500K, 9300K, and 2 user files).



(2) Measurement Mode

This Mode allows measurement of color temperature on the monitor, storing the measured data and making adjustments on multiple monitors for same color temperature.

(3) PC-free operation

Automatic adjustment software is programmed in a monitor. Simply connect the ASP cable to the monitor USB connector. No personal computer is required.

Specifications

| | | |
|----------------|-------------|--------------------------------------|
| ASP-100 | Auto setup | : 6500K, 9300K, User files (2 files) |
| | Measurement | : Luminance and chromaticity (x, y) |
| | Size | : 71(W)X111(H)X35(D)mm |
| | Weight | : 100g |
| | Interface | : USB2.0 |

Remote Controller



SRC-400
Serial Remote Controller



RCT-30A
Infrared Remote Controller

Auto Setup Probe

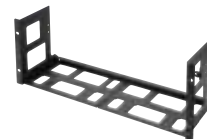


ASP-100
Auto Setup Probe Unit

Rackmount Adaptor



RS-1710T/1770T
19-inch Rack-mount Adaptor



DR-904
9-inch Rack-mount Adaptor



BP-920
Blank Panel for DR-904

Stand



STD-1770
Stand



STD-1770T
Tilt Stand



STD-1722M
VESA Arm Stand



STD-1517
Stand



STD-1517T
Tilt Stand



STD-904
Stand



STD-900
Stand



STD-920T
Tilt Stand

Battery Bracket



BB-1750A
Battery Bracket
(Anton Bauer Type)



BB-1750V
Battery Bracket
(V-Mount Type)



BB-904A
Battery Bracket
(Anton Bauer Type)



BB-904V
Battery Bracket
(V-Mount Type)

Handle



GR-1770
Handle

Carrying Case/Hood



CC-1751
Hard Carrying Case



CC-5013/7012
Hard Carrying Case



SO-016
Soft Carrying Case



MH-1750
Collapsible Hood



MH-904
Collapsible Hood



PP-1751
LCD Protection Cover



PP-904
LCD Protection Cover

| Model | Description | HEM-2570W | HEM-1770WR | HLM-1751WR | HLM-3250WA | HLM-2450WB | HLM-1705WR | HLM-905WR | HLM-5013WR | HLM-7012WR | Remarks |
|-----------------------------|--|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|---|
| Remote Controller | | | | | | | | | | | |
| RCT-30A | Infrared Remote Controller | ● | ● | ● | ● | ● | | | | | |
| SRC-400 | Serial Remote Controller | ● | ● | ● | ● | ● | ● | ● | | | Controls up to 96 monitors with loop through connection |
| Video/Audio Module | | | | | | | | | | | |
| SP-70 | SFP I/F Module | ● | ● | ● | | | | | | | Expansion module to equip the SFP I/F module. Two SFP modules can be equipped. *can not co-reside with CM-70 |
| CM-70 | Analog RGB/YPbPr/PC Input Module | ● | ● | ● | | | | | | | 1ch Y, P _B , P _R or RGB Input, 1ch loop through EXT SYNC, 1ch Analog PC Input. *can not co-reside with SP-70 |
| CM-175 | Analog Component and PC Input Module | | | | | ● | | | | | 1ch Y, P _B , P _R or RGB Input, 1ch loop through EXT SYNC* |
| D3G-240A | 3G-SDI Support Multi-format HD-SDI Input Module (incl. Analog Audio Output) | | | | | ● | | | | | 2ch Input and 1ch Loop-through, 2ch (ch: Menu Select) Embedded Analog Output (XLR 5pin)* |
| D3G-240D | 3G-SDI Support Multi-format HD-SDI Input Module (incl. AES/EBU Audio Output) | | | | | ● | | | | | 2ch Input and 1ch Loop-through, 8ch Embedded AES/EBU Output * |
| EA-240A | Embedded Analog Audio Output Module | | | | | ● | | | | | 2ch (ch: Menu Select) Embedded Analog Output(XLR 5pin)* |
| EA-240D | Embedded AES/EBU Audio Output Module | | | | | ● | | | | | 8ch Embedded AES/EBU Output * |
| Auto Setup Probe | | | | | | | | | | | |
| ASP-100 | Auto Setup Probe Unit | ● | ● | ● | ● | ● | ● | ● | | | *3 |
| Rackmount Adaptor | | | | | | | | | | | |
| DR-904 | Dual Rack Mount Adaptor | | | | | | | ● | | | 4RU Height |
| BP-920 | Blank Panel for DR-904/920 | | | | | | | ● | | | |
| RS-1770 | 19-inch Rack Mount Adaptor | | ● | ● | | | | ● | | | Fixed type, 7RU height |
| RS-1770T | 19-inch Rack Mount Adaptor with Tilt Mechanism | | ● | ● | | | | ● | | | 4-Step Angle, 7RU height |
| RS-1710 | 19-inch Rack Mount Adaptor | | | | | | | ● | | | Fixed type, 7RU height |
| RS-1710T | 19-inch Rack Mount Adaptor with Tilt Mechanism | | | | | | | ● | | | 4-Step Angle, 7RU height |
| RS-2450T | Rackmount Adaptor | | | | | ● | | | | | Fixed Tilt Angle Type |
| Stand | | | | | | | | | | | |
| STD-1770 | Stand | | ● | ● | | | | | | | |
| STD-1770T | Stand with Tilt Mechanism | | ● | ● | | | | | | | Tilt (Axis:Center of Monitor):Up 90 degree/Down 10 degree |
| STD-1517 | Stand | | | | | | | ● | | | |
| STD-1517T | Stand with Tilt Mechanism | | | | | | | ● | | | Tilt:Up 15 degree/Down 15 degree |
| STD-1722M | VESA Arm Stand | | ● | ● | | | | ● | | | |
| STD-240T | Stand with Tilt Mechanism | | | | | ● | | | | | Tilt (Axis:Center of Monitor):Up 45 degree/Down 8 degree* |
| STD-900 | Stand | | | | | | | ● | | | Tilt Angle:Up 14 degree |
| STD-904 | Stand | | | | | | | ● | | | |
| STD-920T | Stand with Tilt Mechanism | | | | | | | ● | | | Tilt Angle:Up 10 degree/Down 10 degree |
| Tripod Mount Plate | | | | | | | | | | | |
| AT-900 | Tripod Mount Plate | | | | | | | ● | | | 1/4 & 3/8 inch hole plate |
| Handle | | | | | | | | | | | |
| GR-1770 | Handle | | ● | ● | | | | ● | | | |
| GR-904 | Handle | | | | | | | ● | | | |
| LCD Protection Cover | | | | | | | | | | | |
| PP-1751 | Protection Cover for HLM-1751WR | | | ● | | | | | | | Anti-Reflection Coating |
| PP-1750 | Protection Cover for HLM-1705WR | | | | | | ● | | | | Anti-Reflection Coating |
| PP-904 | Protection Cover for HLM-904WR | | | | | | | ● | | | Anti-Reflection Coating |
| PP-1770 | Protection Cover for HEM-1770WR | | ● | | | | | | | | Anti-Reflection Coating |
| Battery Bracket | | | | | | | | | | | |
| BB-1750A | Battery Bracket (Anton Bauer Type) | | ● | ● | | | | | | | |
| BB-1750V | Battery Bracket (V-Mount Type) | | ● | ● | | | | | | | |
| BB-904A | Battery Bracket (Anton Bauer Type) | | | | | | | ● | | | |
| BB-904V | Battery Bracket (V-Mount Type) | | | | | | | ● | | | |
| Hood | | | | | | | | | | | |
| MH-2570 | Folding Hood | ● | | | | | | | | | |
| MH-1750 | Folding Hood | | ● | ● | | | | ● | | | |
| MH-904 | Folding Hood | | | | | | | ● | | | |
| Carrying Case | | | | | | | | | | | |
| CC-E25 | Hard Carrying Case | ● | | | | | | | | | |
| CC-E17 | Hard Carrying Case | | ● | | | | | | | | |
| CC-3250 | Hard Carrying Case | | | | ● | | | | | | |
| CC-2450B | Hard Carrying Case | | | | | ● | | | | | |
| CC-1751 | Hard Carrying Case | | | ● | | | | | | | |
| CC-1705 | Hard Carrying Case | | | | | | ● | | | | |
| CC-905 | Hard Carrying Case | | | | | | | ● | | | |
| SO-016 | Soft Carrying Case | | | | | | | ● | | | |
| CC-5013 | Hard Carrying Case | | | | | | | | ● | | |
| CC-7012 | Hard Carrying Case | | | | | | | | | ● | |

Note

*1: Either one optional module can be installed. Up to 4ch SDI input is available if D3G-240A or D3G-240G is installed.

*2: Standard Tilt Stand has a tilt mechanism with axis at bottom of monitor (up 15 degree and down 8 degree).

*3: Please refer page9 regarding integrated software for each monitors and Rev# for ASP-100.

Specifications



| | | | HEM-2570W | HEM-1770WR | HLM-1751WR | HLM-3250WA | HLM-2450WB | | |
|--|--|--|---|--|----------------------------|-----------------------------|-------------------------------|-------------------------|-------------|
| Display Panel | Type of Panel | | OLED | | | LCD / LED Backlight | LCD | | |
| | Number of Pixel | Effective Number of Pixel | Full HD (16:9) 1920×1080 | | | | | WUXGA (16:10) 1920×1200 | |
| | | Number of Pixel in 16:9 | 1920×1080 | | | | | | |
| | Display Size (Diagonal) | Display Size(Viewing Area) | 24.5" | 16.5" | | | 31.5" | 24.0" | |
| | | in 16 : 9 | 24.5" | 16.5" | | | 31.5" | 23.4" | |
| | Brightness | (Specification of Panel) | 250cd/m ² (Max Brightness) | | | 450cd/m ² | 500cd/m ² | 400cd/m ² | |
| | Contrast Ratio (typical) | | 5000:1 *1 | | | 1000:1 | 1500:1 | 1000:1 | |
| Display Color | | 1.07 billion colors / 10bit | | | | | | | |
| View Angle (up & down, left & right typical) | | 178° | | | | | | | |
| Rating & Performance | Power Requirement | AC | AC100-120V / AC200-240V | | | | | | |
| | | DC | — | DC12V (10.5-18V) | | | — | | |
| | Power Consumption (max) | AC (Standard Spec) | 135W | 81W | 45W | 145W | 107W | | |
| | | DC (Standard Spec) | — | 76W / 6.3A | 39W / 3.3A | — | | — | |
| | Dimensions W×H×D mm (inch) | | 585×398×102.8 (23.1×15.7×4.1) | 428×301×98 (16.9×11.9×3.9) | 428×301×96 (16.9×11.9×3.8) | 776×498×110 (30.6×19.6×4.3) | 562×398×101.3 (22.1×15.7×4.0) | | |
| | Rack-mountable Space | | 9U | 7U | 7U | — | | 10U | |
| | Weight kg(lbs) | *Excluding stand | Approx 11.4kg (25.13 lbs) | Approx 7.5kg (16.53 lbs) | Approx 6.5kg (14.33 lbs) | Approx 16.3kg (35.94 lbs) | Approx 9.3kg (20.50 lbs) | | |
| | Supporting Formats | SDTV | 480i / 59.94, 575i / 50, 480p / 59.94 | | | | | | |
| | | HDTV | 1035i/59.94/60, 1080i/50/59.94/60 1080p/23.98/24/25/29.97/30/50/59.94/60 1080psF/23.98/24/29.97/30 720p/23.98/24/25/29.97/30/50/59.94/60 | | | | | | |
| | Video | Input/Output | HD/SD-SDI | ● 2 Inputs, 1 Output | | | | | |
| 3G-SDI *2 | | | ● | | | | | | |
| VBS | | | ● 2 Inputs/Outputs (TH) | | | | | | |
| RGB/YPbPr | | | ▲ 1 Input (CM-70) | | | — | | ▲ 1 Input (CM-175) | |
| Analog PC | | | ▲ 1 Input (CM-70) | | | — | | ▲ 1 Input (CM-175) | |
| DVI-D | | | ● 1 Input | | | | | | |
| HDMI | | | ▲ 1 input (SP-70+SPF HDMI Module) | | | — | | | |
| Audio | Input | Analog Audio Input | ● (RCA×2) | | | | | | |
| | Output | Embedded Analog 2ch Output | ● (RCA×2) | | | — | | ▲ EA-240A | |
| | | Embedded AES/EBU 8ch Output | — | | | — | | ▲ EA-240D | |
| | Display | Embedded Audio Level Meter Display | ● (8ch) | | | | | | |
| | Speaker | Rating Output | 1W+1W | | | | | | |
| | | Analog Audio Output | ● (Stereo) | | | | | | |
| Command Control | 5.1ch Surround Down-mix Output | Headphone Output | ● | | | | | ● | |
| | | Parallel Remote | ● | | | | | | |
| | | Serial Remote (Controlled by SRC-301Z) | — | | | ● | | | |
| | | Serial Remote (RS-485) | ● | | | ▲ (To be customized) | | | |
| | | USB Mouse | ● | | | | | | |
| | Infrared rays Remote (Controlled by RCT-30A) | ● | | | | | | | |
| | | ● (7 types) | | | | | ● (3 types) | | |
| | | Display | Built-in Test Signal | ● (7 types) | | | | | ● (3 types) |
| | | | Marker | Safety Marker: 100% + 80~99% (Every 1% step) Area Marker:4:3 (at 16:9), 13:9, 14:9, 15:9, 16:9 (at 4:3), 1.85:1, 2.35:1 Cross Marker:Cross, 5×5, 10×10 | | | | | |
| | | | User Marker | ● (10 Markers) | | | | | |
| User Marker (Number of Scene) | 10 | | | 1 | | | | | |
| Shadow | Area Marker:4:3 (at 16:9), 13:9, 14:9, 15:9, 16:9 (at 4:3) Shadow Level:0%, 20%, 40%, 60% | | | | | | | | |
| WFM Display | ● | | | | | | | | |
| Time Code | ● (VITC, HD-SDI) | | | | | | | | |
| Vector | ● | | | | | | | | |
| 2 Screen Display (Left:Still Image Right:Moving Picture) | ● | | | | | | | | |
| Full Screen Capture Display | ● (1920×1080) | | | — | | | | | |
| IMD (In Monitor Display) | — | | ● | | — | | | | |
| Video & TEST Signal Mix | ● | | — | | | | | | |
| Zoom Function | ● | | — | | | | | | |
| Function | Dot by Dot Display | | ● | | | | | | |
| | | | Operating Time Display | ● | | | | | |
| | | Color Temp Memory | ● 6500K / 9300K / 8 User Settings | | | | | | |
| | | Color/Mono Switching | ● | | | | | | |
| | | VBS COMB Filter | ● (TRAP/2D/3D) | | | | | | |
| | Others | APT | ● (ON/OFF, Frequency) | | | | | | |
| | | Backlight Dimmer | — | | ● | | | | |
| | | R/G/B Screen Display ON/OFF | ● | | | | | | |
| | | Scan Selection | NORMAL / UNDER | | | | | | |
| | | Aspect Selection | 4:3/16:9 (SDTV) | | | | | | |
| | | I/P Conversion Mode | FIELD / FRAME / INTERLACE | | | FIELD / FRAME | | | |
| | | External Memory | ● (USB) | | | | | | |
| | | Saving Still Image (in USB) | ● (Maximum 100 Frames) | | | | — | | |
| | | Function Key | ●4 | | ●2 | | | | |
| | | LED Alarm Display | ● (ABL/OVER RANGE) | | | ● (OVER RANGE) | | ● (SDI ERROR) | |
| SDI Channel Lock Setting | ● | | | | | | | | |
| USB Memory Version-up | ● | | — | | | | | | |
| Closed Caption | ●*3 | | ●*4 | | — | | | | |

● : Standard, ▲ : Option

*1 EIAJ ED-2810 dark place, partial lighting contrast *2 SMPTE425M-A/B, YPBPR, 4:2:2 *3 Supports after MPU(Ver 01.24) and FPGA(Ver 06) *4 Supports after MPU(Ver 01.22) and FPGA(Ver 05)

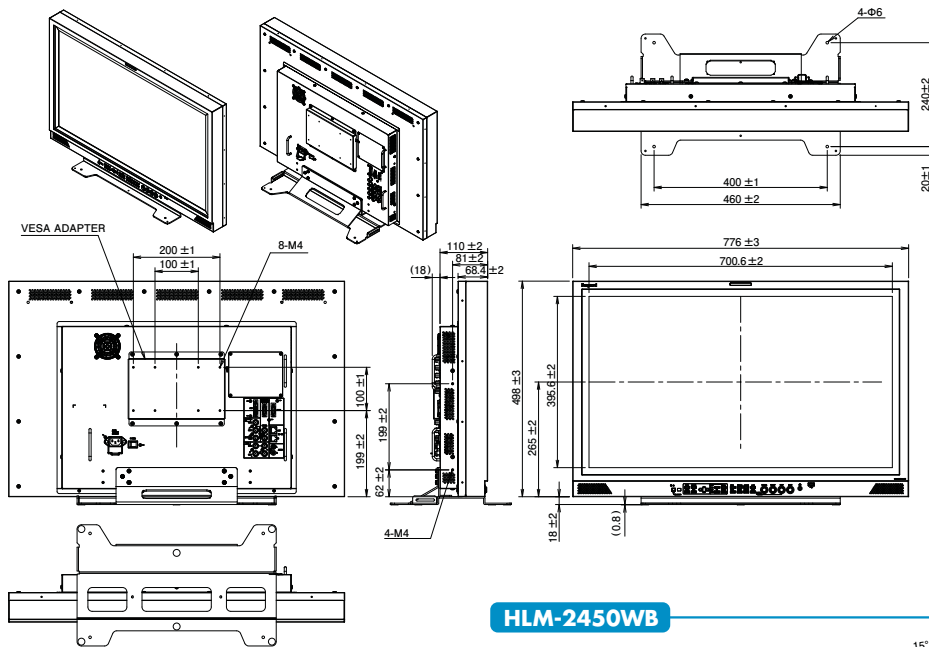


| | | | HLM-1705WR | HLM-905WR | HLM-5013WR | HLM-7012WR |
|--|--|--|--|------------------------------|---|----------------------------------|
| Display Panel | Type of Panel | | LCD / LED Backlight | | | |
| | Number of Pixel | Effective Number of Pixel | Full HD (16:9) 1920×1080 | WXGA (15:9) 1280×768 | WVGA (15:9) 800×480 | |
| | | Number of Pixel in 16:9 | 1920×1080 | 1280×720 | 800×450 | |
| | Display Size (Diagonal) | Display Size(Viewing Area) | 16.5" | 8.9" | 5.0" | 7.0" |
| | | in 16˚9 | 16.5" | 8.8" | 4.9" | 6.9" |
| | Brightness | (Specification of Panel) | 450cd/m ² | 350cd/m ² | 180cd/m ² | 290cd/m ² |
| | Contrast Ratio (typical) | 1000:1 | | | 500:1 | 1000:1 |
| Display Color | | 1.07 billion color / 10bit | | 16.77 million colors / 8bit | | |
| View Angle (up & down, left & right typical) | | 178° | | 176° | | |
| Rating & Performance | Power Requirement | AC | AC100-120V / AC200-240V | | AC100-240V (When using AC Adaptor) | |
| | | DC | — | | DC12V (10.5-18V) | |
| | Power Consumption (max) | AC (Standard Spec) | 40W | 23W | 1.7A | |
| | | DC (Standard Spec) | — | 20W / 1.6A | 34W | 30W |
| | Dimensions W×H×D mm (inch) | | 428×301×80 (16.9×11.9×3.2) | 222.4×173×69.5 (8.8×6.8×2.8) | 481×88.1×56.2 (18.88×3.5×2.22) | 481×132.6×56.2 (18.88×5.25×2.22) |
| | Rack-mountable Space | | 7U | 4U | 2U | 3U |
| | Weight kg(lbs) | | Approx 6.0kg (13.22 lbs) | Approx 2.0kg (4.41 lbs) | Approx 1.7kg (3.74 lbs) | Approx 2.1kg (4.63 lbs) |
| | *Excluding stand | | | | | |
| | Supporting Formats | SDTV | 480i / 59.94, 575i / 50 | | | |
| | | HDTV | 1035i/59.94/60, 1080i/50/59.94/60 1080p/23.98/24/25/29.97/30/50/59.94/60 1080psF/23.98/24/29.97/30 720p/23.98/24/25/29.97/30/50/59.94/60 | | 1080i/50/59.94/60 1080p/23.98/24/25/29.97/30/50/59.94/60 1080psF/23.98/24/29.97/30 720p/23.98/24/25/29.97/30/50/59.94/60 | |
| Video | Input/Output | 3G/HD/SD-SDI | ● 2 Inputs, 1 Output | | | |
| | | VBS | ● 1 Input/Output (TH) | | — | |
| | | RGB/YPbPr | — | | | |
| | | Analog PC | — | | | |
| | | HDMI | — | | | |
| | | External Sync | — | | | |
| Audio | Input | Analog Audio Input | ● (st min jack) | | — | |
| | Output | Embedded Analog 2ch Output | — | ● (st min jack) | — | |
| | | Embedded AES/EBU 8ch Output | — | | | |
| | Display | Embedded Audio Level Meter Display | ● (8ch) | | ● (16ch) | |
| | Speaker | Rating Output | 1W | | — | |
| | | Analog Audio Output | ● (Monaural) | | — | |
| | | Embedded Digital Audio Output | ● (Monaural) | | — | |
| 5.1ch Surround Down-mix Output | | ● | | — | | |
| Headphone Output | | — | ● | — | | |
| Command Control | Parallel Remote | | ● | | | |
| | Serial Remote (Controlled by SRC-301Z) | | — | ● | — | |
| | Serial Remote (RS-485) | | ● | ▲ (To be customized) | | — |
| | USB Mouse | | ● | — | | |
| | Infrared rays Remote (Controlled by RCT-30A) | | — | | | |
| Function | Display | Built-in Test Signal | ● (7 types) | ● (3 types) | — | |
| | | Marker | Safety Marker: 100% + 80~99% (Every 1% step) Area Marker:4:3 (at 16:9), 13:9, 14:9, 15:9, 16:9 (at 4:3), 1.85:1, 2.35:1 Cross Marker:Cross, 5x5, 10x10 | | Safety Marker:100%+80~99%(Every 1% step) Area Marker:4:3 (at 16:9), 13:9, 14:9, 15:9, 16:9 (at 4:3), 1.85:1, 2.35:1 | |
| | | User Marker | ● (10 Markers) | | — | |
| | | User Marker (Number of Scene) | 10 | 10 (After Ver2.0) | — | |
| | | Shadow | Area Marker:4:3 (at 16:9), 13:9, 14:9, 15:9, 16:9 (at 4:3) Shadow Level:0%, 20%, 40%, 60% | | — | |
| | | WFM Display | ● | | — | |
| | | Time Code | ● (VITC, HD-SDI) | | ● (LTC / VITC1 / VITC2) | |
| | | Vector | ● | | — | |
| | | 2 Screen Display (Left:Still Image Right:Moving Picture) | ● | | — | |
| | | Full Screen Capture Display | — | ● (1280×720) | — | |
| | | IMD (In Monitor Display) | ● | ● | — | |
| | | Video & TEST Signal Mix | ● | — | | |
| | Zoom Function | ● | — | | | |
| | Others | Dot by Dot Display | ● | | — | |
| | | Operating Time Display | ● | | — | |
| | | Color Temp Memory | ● 6500K / 9300K / 8 User Settings | | ● 6500K / 9300K / 1 User Setting | |
| | | Color/Mono Switching | ● | | — | |
| | | VBS COMB Filter | ● | | — | |
| | | APT | ●(ON/OFF, Frequency) | | ● | |
| | | Backlight Dimmer | ● | | — | |
| | | R/G/B Screen Display ON/OFF | ● (MENU) | | — | |
| | | Scan Selection | NORMAL / UNDER | | NORMAL / OVER / 4:3ZOOM | |
| | | Aspect Selection | 4:3/16:9 (SDTV) | | AUTO / 4:3 / 16:9 | |
| | | I/P Conversion Mode | FIELD / FRAME | | FRAME | |
| | | External Memory | ● (USB) | | — | |
| | | Saving Still Image (in USB) | — | ● (Maximum 32 Frames) | — | |
| | | Function Key | ● 4 | ● 2 | — | |
| | | LED Alarm Display | — | | | |
| SDI Channel Lock Setting | | ● | | — | | |
| USB Memory Version-up | ● | | — | | | |
| Closed Caption | ●*3 | — | | | | |

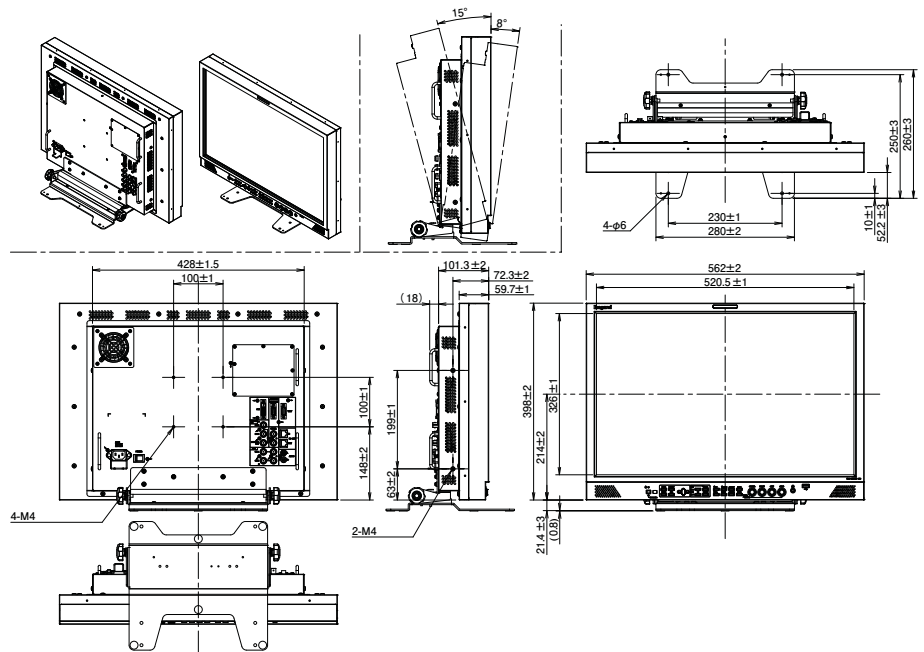
● : Standard, ▲ : Option

*1 EIAJ ED-2810 dark place, partial lighting contrast *2 SMPTE 425M-A/B, YPBPR, 4:2:2 *3 Supports after MPU(Ver 01.04) and FPGA(Ver 02)

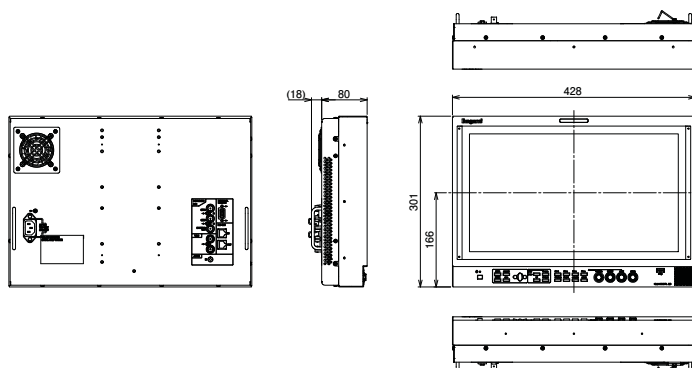
HLM-3250WA



HLM-2450WB



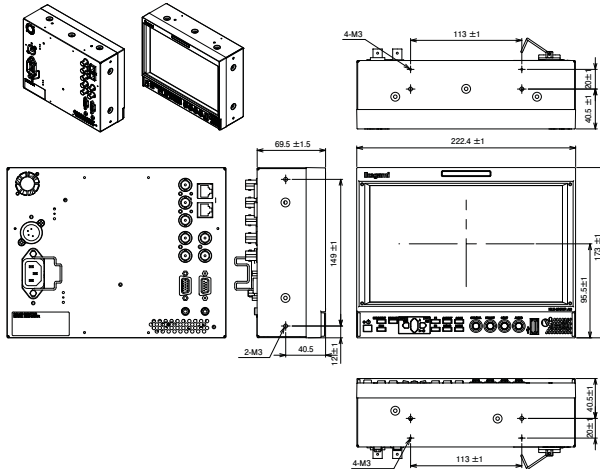
HLM-1705WR



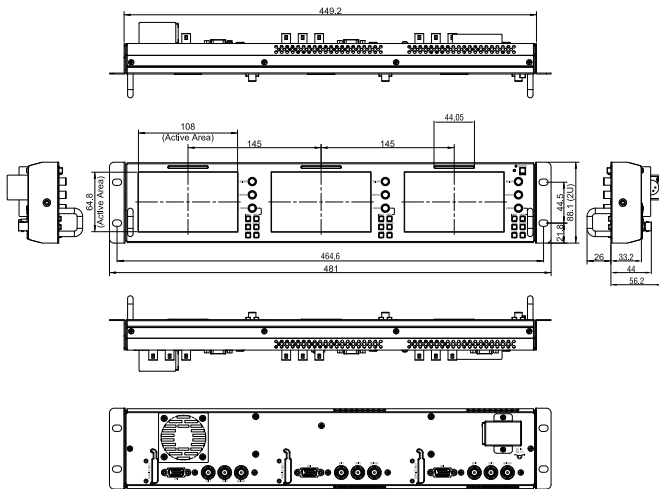
Unit:mm

Dimensions

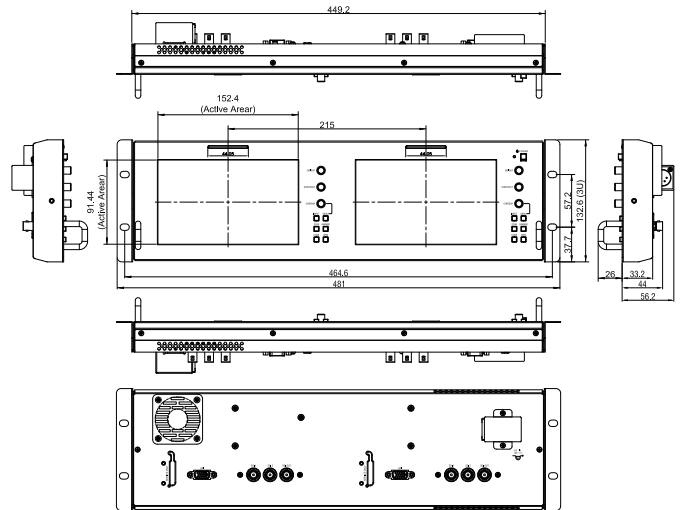
HLM-905WR



HLM-5013WR



HLM-7012WR



Unit:mm

Design and specifications are subject to change without notice.



U97N173-SI-F

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