

HLM-1711WR 17-inch HDTV/SDTV Multi-format LCD Color Monitor

RoHS

High-End Broadcast LCD Monitor



The HLM-1711WR employs a 17-inch LCD panel in WXGA (1280×768) with wide critical viewing angle, excellent brightness and contrast, fast response time, and faithful color reproduction. It provides HDTV/SDTV multi-format SDI and VBS inputs as standard and achieves space-saving, light weight, and low power consumption.

17-inch Wide	WXGA (1280×768 pixel)	Viewing Angle 170degree(H/V)	Contrast Ratio 800:1	50W				
VBS Input	Y, P _b , P _r /RGB Input ▲	HD/SD-SDI Input	Embedded AES/EBU Output ▲	Embedded Analog Audio Output ▲	Embedded Audio Meter ▲	PC Picture Input ▲	Analog Audio Input	
4:3/16:9	Remote (Parallel)	Remote (Serial)	Remote (Infrared rays)	Marker	Shadow	Test Signal Generator	10-Color temperature-memory	
Speaker	VITC Display	WFM Monitoring Display	Split Screen	Dot-by-Dot Display				
W428×H305×D80mm (W16.9×H12.0×D3.1 inches)	7RU	7.5kg (16.53 lbs)						

HLM-1510R 15-inch HDTV/SDTV Multi-format LCD Color Monitor

RoHS

High-End Broadcast LCD Monitor



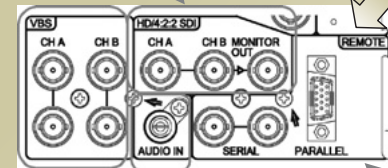
The HLM-1510R employs a 15-inch LCD panel and achieves space-saving, light weight, and low power consumption, providing HDTV/SDTV multi-format SDI and VBS inputs as standard. It is designed with a compact size of 6RU height, specifically suitable to replace an existing 14-inch CRT monitor without changing rack layout.

15-inch	XGA (1024×768 pixel)	Viewing Angle 170degree(H/V)	Contrast Ratio 700:1	38W				
VBS Input	Y, P _b , P _r /RGB Input ▲	HD/SD-SDI Input	Embedded AES/EBU Output ▲	Embedded Analog Audio Output ▲	Embedded Audio Meter ▲			
PC Picture Input ▲	Analog Audio Input							
4:3/16:9	Remote (Parallel)	Remote (Serial)	Remote (Infrared rays)	Marker	Shadow			
Test Signal Generator	10-Color temperature-memory	Speaker	VITC Display	WFM Monitoring Display	Split Screen			
Dot-by-Dot Display								
W370×H266×D75mm (W14.6×H10.5×D3.0 inches)	6RU	5.8kg (12.79 lbs)						

Evolutional Feature for HLM-1711WR, HLM-1510R Multi-format LCD Monitor

●Variety of Input/Output

(1) Multi-format HD/SD-SDI (4:2:2) inputs
2ch, 1ch monitor out follows channel selection.

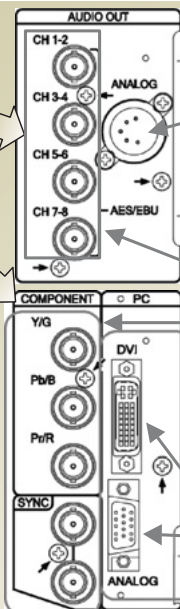


(2) VBS inputs:
2ch each with
loop through,
NTSC/PAL
auto detect.

(3) Analog Audio
Input:
Audio monitoring is
available with the
built-in speaker.

(4) Remote Control
Interface:
serial remote signal
input and parallel
remote signal input.

In case of HLM-1711WR



(5) [Factory Option] EA-171DML Audio Demux module with EA-900A provides 2 channels of analog embedded audio outputs.

- The output channels can be chosen by menu among ch1/2, 3/4, 5/6, 7/8.
- The audio can also output to the front speaker.

* note that EA-900A cannot co-reside with EA-900D digital output.

(6) [Factory Option] EA-171DML Audio Demux module with EA-900D provides 8 channels of AES/EBU digital embedded audio outputs. The audio can also output to the front speaker.

* note that EA-900D cannot co-reside with EA-900A analog output.

(7) [Factory Option] CM-171 module provides either Y, Pb, Pb or RGB input and EXT Sync input.

* it cannot co-reside with PC-171.

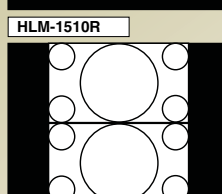
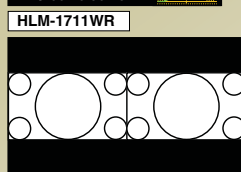
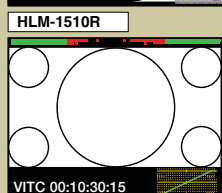
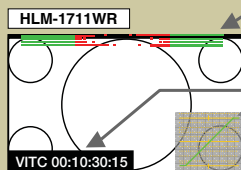
(8) [Factory Option] PC-171 module provides analog RGB and DVI-D input. (VGA/SVGA/XGA/WXGA)

* it cannot co-reside with CM-171.

●Versatile functions

(1) With the EA-171/261DML Audio Demux module (Factory option)

- Level meters for 8 channels of embedded audio can be superimposed over the video, providing space and cost savings for monitoring the video and the audio at the same time.
- The contrast, position, and indicating channels can be set by menu.
- Auto detect multi-format HD/SD-SDI input
- Embedded audio can be monitored with the built-in speaker



(2) WFM monitoring and VITC Time Code display function

- Waveform can be displayed for the input signal
- HD-SDI signal with VITC display is available
- Employing a 4:3 aspect LCD panel for HLM-1510R Waveform and VITC Time Code can be displayed on the blanking area by shifting the 16:9 picture image to the upper side.

(3) Internal test signals

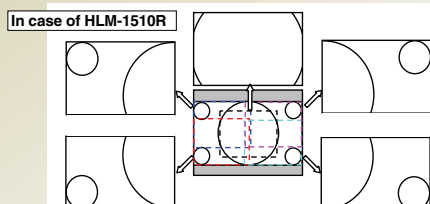
- 100% WINDOW signal
- Grayscale test signal
- ARIB(STD-B28) color bars

(4) Marker Display

- Various safety markers and Cross hatch
- Various area markers with Shadow functions

(5) Split screen mode

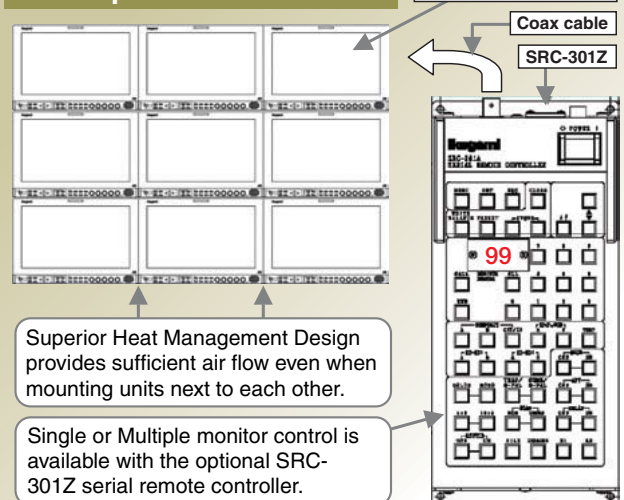
- This function allows for comparing a captured still image and a camera live image.
- In case of the HLM-1510R, the split screen can be displayed on right and left or top and bottom.



(6) Dot-by-Dot display
• This function for 1:1 scan without scaling

●Multiple Monitor Control

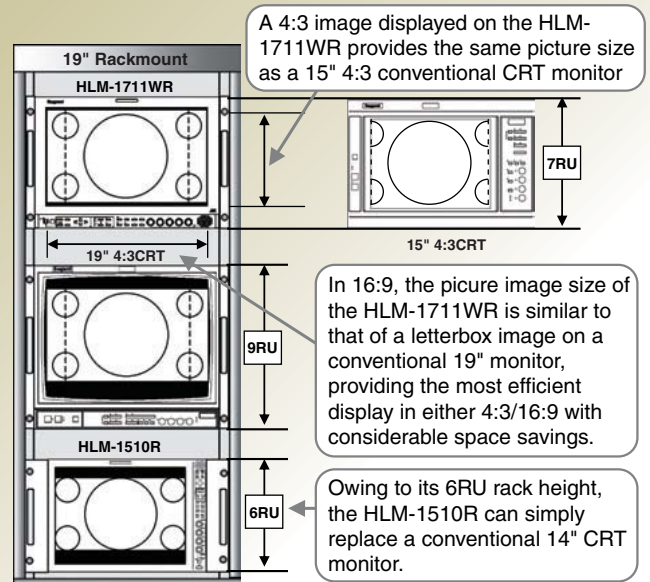
In case of HLM-1711WR

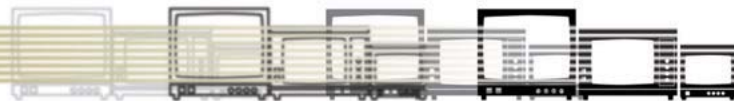


Superior Heat Management Design provides sufficient air flow even when mounting units next to each other.

Single or Multiple monitor control is available with the optional SRC-301Z serial remote controller.

●The most suitable for rack mounting





HLM Series Option

○: Standard / ●: Option

Model	Description	HLM-3250W	HLM-2450W	HLM-1711WR	HLM-1510R	HLM-920WR	HLM-920WP	HLM-910R	HLM-910P	Remarks
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Remote Controller

SRC-301Z	Serial Remote Controller	●	●	●	●	●	●	●	●	Controls up to 99 motions with loop through connection
RCT-30A	Infrared Remote Controller	●	●	●	●	●	●	●	●	

Video/Audio Module

CM-240	Analog Component and PC Input Module	●	●							1ch Y, P _B , P _R /RGB, 1ch Analog PC Input, 1ch EXT Sync ^{*1}
EA-240A	Embedded Analog Audio Output Module	●	●							2ch (ch: Menu Select) Embedded Analog Output (XLR 5pin) ^{*1}
EA-240D	Embedded AEX/EBU Audio Output Module	●	●							8ch Embedded AES/EBU Output ^{*1}
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) ^{*1*2}
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 ^{*1*2}
EA-171DML	Audio Demux Module with Audio Level Meters			●	●					Embedded Audio Output, 8ch Audio Level Meters ^{*4}
CM-171	Analog Component Input Module			●	●					1ch Y, P _B , P _R or RGB Input, 1ch loop through EXT SYNC, cannot co-reside with PC-171 ^{*4}
PC-171	PC Input Module			●	●					1ch PC Analog RGB, 1ch DVI-D, cannot co-reside with CM-171 ^{*4}
EA-900A	Embedded Audio Analog Output Module			●	●	●	●	●	●	XLR-5 pin, 2ch Embedded Analog Audio Outputs, EA-171DML or EA-920DML required ^{*4}
EA-900D	Embedded AES/EBU Output Module			●	●	●	●	●	●	BNC, 8ch Embedded AES/EBU Outputs, EA-171DML or EA-920DML required ^{*4}
EA-920DML	Audio Demux Module with Audio Level Meters					●	●	●	●	Embedded Audio Output, 8ch Audio Level Meters ^{*4}
CM-900	Analog Component Input Module					●	●	●	●	1ch Y, P _B , P _R or RGB Input, 1ch loop through EXT SYNC, cannot co-reside with the Embedded Audio Module ^{*4}
WF-910	WFM/VITC Indication Function					○	○	●	●	Supports VITC embedded to HD-SDI Signal (ARIB STD-B4 Ver 2.0) ^{*4}

Rackmount Adaptor

RS-2450T	Rackmount Adaptor		●							Fixed Tilt Angle Type
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-1510	19-inch Rack Mount Adaptor				●					Fixed type, 6RU height
RS-1510T	19-inch Rack Mount Adaptor with Tilt Mechanism				●					4-Step Angle, 7RU height
DR-910	Dual Rack Mount Adaptor							●	●	4RU Height
BP-900	Blank Panel for DR-910							●	●	
WR-900L	WFM Rackmount Adaptor							●	●	For HLM-920WR + Leader LV5750, 4RU Height
WR-900L3	WFM Rackmount Adaptor							●	●	For HLM-920WR + Leader LV5700A/5710A/5800, 4RU Height
WR-900C	WFM Rackmount Adaptor							●	●	For HLM-920WR + Tektronics WFM700 Series, 4RU Height
DR-920	Dual Rack Mount Adaptor					●	●			4RU Height
BP-920	Blank Panel for DR-920					●	●			
WR-920L	WFM Rackmount Adaptor					●	●			For HLM-920WR + Leader LV5750, 4RU Height
WR-920L3	WFM Rackmount Adaptor					●	●			For HLM-920WR + Leader LV5700A/5710A/5800, 4RU Height
WR-920C	WFM Rackmount Adaptor					●	●			For HLM-920WR + Tektronics WFM700 Series, 4RU Height

STAND

STD-240T	Stand with Tilt Mechanism		●							Tilt(Axis: Center of Monitor): Up 45 degree / Down 8 degree ^{*3}
STD-1517	Stand			●	●					Tilt: Up 15 degree / Down 15 degree
STD-1517T	Stand with Tilt Mechanism			●	●					Tilt (Axis: Center of Monitor): Up 90 degree / Down 10 degree ^{*3}
STD-1710T	Stand with Tilt Mechanism			●	●					For VESA Mount, VM-1510R required for HLM-1510R
STD-1722	VESA Arm Stand			●	●					For VESA Mount
VM-1510R	VESA Mount Adaptor				●					Tilt Angle: Up 14 degree, Standard for HLM-920WP/910P
STD-900	Stand					●	●	●	●	Tilt Angle: Up 10 degree / Down 10 degree
STD-920T	Stand with Tilt Mechanism					●	●	●	●	1/4 & 3/8 inch hole plate
AT-900	Tripod Mount Plate					●	●	●	●	
GR-900	Handle					●	●	●	●	

Hood

MH-900	Folding Hood							●	●	
MH-920	Folding Hood						●			

Carrying Case

CC-900	Hard Carrying Case								●	
CC-920	Hard Carrying Case						●			
SC-900	Soft Carrying Case								●	
SC-920	Soft Carrying Case						●			

Note

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

*2: Factory Option(Under development in April, 2009)

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

*4: Factory Option

HLM Series Specifications



	Display Size (Viewing Area)	Rack-mountable Space	Resolution Number of Pixel (Max Brightness)	Input Signal						DC Input	Tally		Power Consumption *3	Dimensions mm (inch)	Weight kg (lbs)	Feature
				VBS	Y, P _b , P _r /RGB	DVI-D	HD/SD-SDI	PC Picture Input	Embedded Audio		G	R				
HLM-3250W		×	1920 × 1080	○ 2	△ 1	○ 1	○ 2	△ 1	○ 2	×	○	○	145 W	W776 (30.6) × H498 (19.6) × D110 (4.3)	16.3kg (35.94 lbs) Excluding Stand	• 1080i/60, 59.94 • 1080i/50 • 1080p/60, 59.94 • 1080p/50 • 1080p/30, 29.97 • 1080ps/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50
HLM-2450W		10RU	1920 × 1200	○ 2	△ 1	○ 1	○ 2	△ 1	○ 2	×	○	○	98W	W562 (22.1) × H396 (15.6) × D90 (3.5)	9.0kg (19.8 lbs) Excluding Stand	• 1080i/60, 59.94 • 1080i/50 • 1080p/60, 59.94 • 1080p/50 • 1080p/30, 29.97 • 1080psF/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50
HLM-1711WR		7RU	1280 × 768	○ 2	△ 1	△ 1	○ 2	△ 1	△ 2	○ 1	×	○	50W	W428 (16.9) × H305 (12.0) × D80 (3.1)	7.5kg (16.53 lbs)	• 1080i/60, 59.94 • 1080i/50 • 1080p/30, 29.97 • 1080psF/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50
HLM-1510R		6RU	1024 × 768	○ 2	△ 1	△ 1	○ 2	△ 1	△ 2	○ 1	×	○	38W	W370 (14.6) × H266 (10.5) × D75 (3.0)	5.8kg (12.79 lbs)	• 1080i/60, 59.94 • 1080i/50 • 1080p/30, 29.97 • 1080psF/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50
HLM-920WR		4RU	800 × 480	○ 2	△ 1	×	○ 2	×	△ 2	○ 1	×	○	26W	W221 (8.4) × H173 (6.9) × D130.5 (5.1)	2.2kg (4.85 lbs)	• 1080i/60, 59.94 • 1080i/50 • 1080p/30, 29.97 • 1080psF/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50
HLM-920WP		4RU	800 × 480	○ 2	△ 1	×	○ 2	×	△ 2	○ 1	○	○	AC 27W DC 21W	W221 (8.4) × H173 (6.9) × D123 (4.9)	2.3kg (5.07 lbs)	• 1080i/60, 59.94 • 1080i/50 • 1080p/30, 29.97 • 1080psF/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50
HLM-910R		4RU	1024 × 768	○ 2	△ 1	×	○ 2	×	△ 2	○ 1	×	○	26W	W216 (8.5) × H176 (6.9) × D107 (4.2)	2.4kg (5.29 lbs)	• 1080i/60, 59.94 • 1080i/50 • 1080p/30, 29.97 • 1080psF/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50
HLM-910P		4RU	1024 × 768	○ 2	△ 1	×	○ 2	×	△ 2	○ 1	○	○	AC 27W DC 23W	W216 (8.5) × H176 (6.9) × D99 (3.9)	2.1kg (5.07 lbs)	• 1080i/60, 59.94 • 1080i/50 • 1080p/30, 29.97 • 1080psF/30 • 1080p/25 • 1080psF/25 • 1080p/24, 23.98 • 1080psF/24, 23.98 • 1035i/60, 59.94 • 720p/60, 59.94 • 720p/50 • 720p/30, 29.97 • 720p/25 • 720p/24, 23.98*1 • 480i/59.94 • 480p/59.94*2 • 575i/50

△ Option

*1 Available with SDI Input only *2 Available with RGB/Y, P_b, P_r Input only *3 Maximum Power Consumption at Standard Configuration

HLM Series Options



Remote Controller



SRC-301Z
Serial Remote Controller



RCT-30A
Infrared Remote Controller

Rackmount Adaptor



RS-1710T
HLM-1711WR
19-inch Rack-mount Adaptor



RS-1510
HLM-1510R
19-inch Rack-mount Adaptor



DR-920
HLM-920WR/920WP
Dual Rack-mount Adaptor



DR-910
HLM-910R/910P
Dual Rack-mount Adaptor



BP-900
HLM-910R/910P
Blank Panel for DR-910



WR-900L
HLM-910R
WFM Rack-mount Adaptor

Stand



STD-1722
HLM-1711WR,1510R/V
VESA Arm Stand



STD-1517T
HLM-1711WR,1510R/V
Stand with tilt mechanism



VM-1510R
HLM-1510R
VESA Mount Adaptor



STD-900
HLM-920WR,910R
Stand



STD-920T
HLM-920WR/WP,910R/P
Tilt Stand

Handle



GR-900
HLM-920WR/910R
Handle

Carrying Case



SC-900
HLM-910P
Soft Carrying Case



MH-900
HLM-910P
Collapsible Hood



CC-900
HLM-910P
Hard Carrying Case