

## HLM-2450W

### 24-inch Full HD HDTV/SDTV Multi-format LCD Colour Monitor



#### "Full HD Wide Screen" with high quality and superb picture

- It can be used for a wide range of applications, 3G-HD-SDI input is an option.
- Allows efficient use of space in control rooms, OB vans, as part of any monitor wall. It has thin body and operates in low power consumption.
- The monitor uses a Full HD widescreen 24-inch WUXGA(1920x1200) LCD panel with a wide viewing angle (178 degree H/V), high contrast ratio(800:1), fast response time and faithful color reproduction.
- Accepts various input signals as standard, HD-SDI/SD-SDI(4:2:2), VBS (Composite Video -NTSC/PAL), DVI-D. Component (RGB/YPbPr) and analog PC inputs as option.
- Operational features include Markers & Shadow, Built-in test patterns, Audio monitoring via the built-in speakers or headphones, 8ch audio level display, VITC display, WFM, Vectorscope, split screen display, dot-by-dot display mode, parallel/serial wireless remote control.
- The monitor has a space-saving size of only 10U.

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## Specifications:

<b>GENERAL</b>		
Power Supply	AC Input, 50/60Hz, 100-120/200-240V ±10%	
Power Consumption	Less than 98W Less than 120W	Standard Operation With all options
Operating Temperature/Humidity Ambient Temperature/Humidity	Humidity 0°C-+40°C(20 -85% non condensing) -10°C- +50°C(5 -85% non condensing)	
Dimensions/Weight	9U, 562(W) x 396(H) x 90(D)mm Approx 9kg (stand : 2.3kg or 7.1 lbs)	
<b>INPUTS/OUTPUTS</b>		
<b>Standard</b>		
Multi-format SDI	HD-SDI/SD-SDI(4:2:2) Input x2ch(BNC) HD-SDI/SD-SDI(4:2:2) Output x1ch(BNC)	
Composite Video Inputs	NTSC/PAL-B Input x2ch(BNC/Loop-Through)	
DVI-D Input	Single Link 24p(Female) Input x1ch TMDS 50ohms	
Analog Audio Input	RCA pin Input x2ch 316mVp-p(-10dBV)	
Embedded Audio Monitor	Auto Format Switching, Sampling Frequency 48KHz Monitoring audio for one of pair channels of ch1/2,ch3/4,ch5/6,ch, or 7/8 is possible with built-in stereo speakers.	Also, on-screen audio level indicator
Speaker Output	Stereo(from RCA pin 2-input or de-embedded audio from HD/SD SDI input) 1W + 1W or more	
<b>Option</b>		
Analog Component and EXT Sync / Analog PC Inputs	RGB/YPbPr Input x1ch(BNC/Single-End) 0.3-4Vp-p 3 Level Positive/Negative or 2 Level Negative Polarity Input x1ch(BNC/Loop-Through) VGA/SVGA/XGA/WXGA/SXGA/UXGA/WUXGA D-sub Input(Analog RGB) x1ch	with CM-240
Embedded Audio Output	Analog x2ch +4dBs 50ohm XLR-5-32(5pin) AES/EBU(for monitor) 75ohm BNC pair-channel x4ch	with EA-240A with EA-240D
3G Capable Multi-format SDI	3G-SDI/HD-SDI/SD-SDI(4:2:2) Auto Switching Input x2ch(BNC) Output x1ch(BNC)	with D3G-240A with D3G-240D
<b>DISPLAY PERFORMANCE</b>		
LCD Number of Pixels	a-SiTFT Active Matrix RGB Stripe in Height	
Dot Pitch	1920(H) x 1200(V) 0.27(W) x 0.27(H) mm	
View Angle (H/V)	178 Degree (CR 10:1 or more)	
Number of Colors Displayed	16.78 million colors (RGB - 8bits each )	
Contrast Ratio	800:1 (Typical)	
Maximum Screen Luminance (Panel)	400cd/m2	
Display size (16:9 / 4:3)	518(W)x291(H) mm / 432(W)x324 (H) mm	

## Options List:

Model	Description	
CM-240 *1	Analog PC/Component Input Module	RGB/YPbPr: 1ch(Single-End), EXT Sync x1ch (Loop Through) PC Input: HD D-Sub15pin(Female) Analog RGB (VGA/SVGA/XGA/WXGA/SXGA/ UXGA/ WUXGA) x1ch
EA-240A *1	Embedded Audio Analog Output Module (x2ch)	XLR-5 Output x 2ch
EA-240D *1	Embedded Audio AES/EBU Output Module (x8ch)	AES/EBU BNC x 8ch
D3G-240A *2	3G Capable Multi SDI ModuleInput (Analog Audio Out)	Input x 2ch, Output x 1ch, XLR-5 Output x 2ch
D3G-240D *2	3G Capable Multi SDI ModuleInput (AES/EBU Output)	Input x 2ch, Output x 1ch, AES/EBU BNC x 8ch
SRC-301Z	Serial Remote Controller	
RCT-30A	Infrared Remote Controller	
RS-240T	Tilttable Rackmount Adaptor	
STD-2450T	Tilttable Monitor Stand	

(\*1 One optional module only to be fitted to one monitor) (\*2 will be available 2nd quarter.2009, require updated software)

Design and specifications are subject to change without notice.

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**Ikegami** Ikegami Electronics (Europe) GmbH



URL <http://www.ikegami.de>

**Headquarters** Ikegami Strasse 1,D-41460 Neuss, Germany TEL.02131-1230/FAX. 02131-102820

**U.K. Branch** Unit E1 Cologne Court, Brooklands Close, Windmill Road, Sunbury-on-Thames, Middlesex TW16 7EB, England  
TEL.01932-769700/FAX.01932-769710

**Denmark Office** Hørkær 7-9 , 2730 Herlev, Denmark TEL.3880-9903/FAX.3881-9903