

# Ikegami

## Broadcast 4K Monitors Lineup

HQLM-3125X 4K

4K

HDR

HQLM Series



# HQLM-3125X



31-inch 4K/HD Multi-format LCD Master Monitor



The HQLM-3125X employs an LED-backlight 4096×2160 pixel 10-bit resolution UHD LCD panel with a contrast ratio of 1,000,000:1. 3G-SDI, HD-SDI and HDMI inputs are available as standard features. When it comes to 3G-SDI×4, square-division and two-sample interleave are available. For other 4K equipment, a dual-channel 12G-SDI input is also available. HQLM-3125X can also display test signals such as video waveform and display vertical interval time code. Additional broadcast related functions include an 8-channel embedded audio and closed caption displays.

**31-inch  
4K LCD**

**4096x2160  
pixel**

**178° (H/V)**

**Contrast  
1M:1**

**1,000 nits**

**BT.2020**

**DCI-P3 D65**

**DCI-P3**

**ACES**

**Adobe RGB**

**12G-SDI**

**3G/HD-SDI**

**HDMI  
(HDCP)**

**Embedded  
Audio**

**Analogue  
Audio Out**

**HDR  
HLG/PQ**

**HD/UHD  
(2K/4K)**

**UMD  
IMD**

**3D LUT  
CC**

**Gamut  
Marker**

**VITC/LTC**

**WFM**

**Vectorscope**

**CC**

**762 x 467 x 172 mm  
(30 x 18.39 x 6.77 inches)**

**30 kg  
(66.14 lbs)**

# HQLM-3120W



31-inch 4K/HD Multi-format LCD Monitor



The HQLM-3120W is equipped with 2 channels of 12G-SDI input as standard for efficient configuration with 4K equipment such as cameras and switchers. In addition, this monitor includes 3G-SDI, HD-SDI and HDMI inputs as standard. It has the flexibility to work with various interfaces in the image production field. By employing a 31.1-inch 4096×2160 pixel UHD LCD panel using LED backlight, it can reproduce high resolution 4K and 2K images.

**31-inch  
4K LCD**

**4096x2160  
pixel**

**178° (H/V)**

**Contrast  
1,500:1**

**350 nits**

**BT.2020**

**DCI-P3**

**ACES**

**Adobe RGB**

**12G-SDI**

**3G/HD-SDI**

**HDMI  
(HDCP)**

**Embedded  
Audio**

**Analogue  
Audio Out**

**HDR  
HLG/PQ**

**HD/UHD  
(2K/4K)**

**UMD  
IMD**

**VITC/LTC**

**WFM**

**Vectorscope**

**CC**

**Auto  
Calibration\***

**750 x 459 x 107 mm  
(29.52 x 18.07 x 4.21 inches)**

**14.5 kg  
(31.96 lbs)**

\*Option

# HQLM-1720WR



17-inch 4K/HD Multi-format LCD Monitor



The HQLM-1720WR is equipped with 2 channels of 12G-SDI input as standard for efficient configuration with 4K equipment such as cameras and switchers. In addition, this monitor includes 3G-SDI, HD-SDI and HDMI inputs as standard. It has the flexibility to work with various interfaces in the image production field. By employing a 16.5-inch 3840×2160 pixel UHD LCD panel using LED backlight, it can reproduce high resolution 4K and 2K images.

17-inch  
4K LCD

3840x2160  
pixel

178° (H/V)

Contrast  
800:1

450 nits

BT.2020

DCI-P3

ACES

Adobe RGB

12G-SDI

3G/HD-SDI

HDMI  
(HDCP)

Embedded  
Audio

Analogue  
Audio Out

HDR  
HLG/PQ

HD/UHD  
(2K/4K)

UMD  
IMD

VITC/LTC

WFM

Vectorscope

CC

Auto  
Calibration\*

428 x 309 x 145 mm  
(16.85 x 12.17 x 5.7 inches)

8.5 kg  
(18.74 lbs)

7RU

\*Option

# Evolutionary Features for HQLM Series

## HDR High Dynamic Range



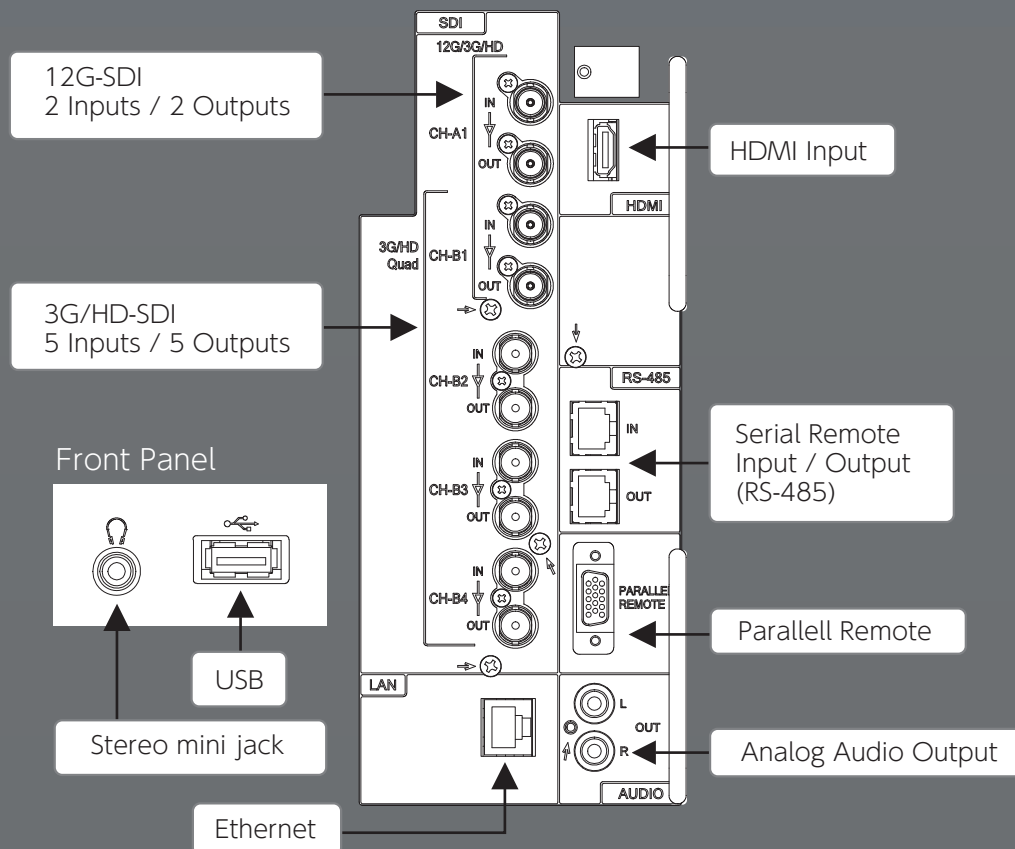
4K SDR Image



4K HDR Image

The HDR will comply with Hybrid Log-Gamma (HLG) and SMPTE ST 2084(PQ), among others, using direct backlight (brightness 1,000 nits). These features comply with the ITU-R BT.2020 and BT.2100 HDR standards. The HQLM series provides a wide-color gamut corresponding to the ITU-R BT.2020 standard. Support for ITU-R BT.709/ DCI-P3 D65/ DCI-P3/ ACES/ Adobe RGB standards is also available.

## Supports Various Inputs/Outputs





## Specifications

### HQLM-3125X

### HQLM-3120W

### HQLM-1720WR

Display Panel					
LCD Panel	a-Si TFT-LCD				
Number of Pixels	H 4096×V 2160 pixels			H 3840×V 2160 pixels	
Pixel Pitch	0.1704×0.1704 mm			0.09945×0.09945 mm	
Display Size	17.9" W 698×H 368 mm			16.9" W 382 x H 215 mm	
Brightness (Panel)	1,000 nits		350 nits		450 nits
Contrast Ratio	1,000,000:1		1,500:1		800:1
Number of Display Colors	1.07 billion colors			16.78 million colors	
Viewing Angle	178° (up&down, left&right : CR≥10)				
Rating & Performance					
Color Temperature Setting	D65 / D93 / FILE 1 to 8				
EOTF	ITU-R BT.2100, SMPTE ST.2084, 2.2, 2.4, 2.6, S-Log, S-Log3, ACES Proxy				
Color Space	ITU-R BT.2020*, ITU-R BT.709, EBU*, SMPTE-C2*, DCI-P3 D65*, DCI-P3*, ACES*, Adobe RGB*, S-Gamut, S-Gamut3.Cine, Panel *RGB color points are not fully included. *2 HQUM-3125X only				
Power Requirement	100 to 120 / 200 to 240 V AC±10%, 50/60Hz				
Power Consumption	Approx. 450W		Approx. 150W		Approx. 120W
Ambient Temperature	0℃ to +35℃ (32℉ to +95℉) (20 to 85% humidity non-condensing)		0℃ to +40℃ (32℉ to +104℉) (20 to 85% humidity non-condensing)		
Storage Temperature	-10℃ to +50℃ (14℉ to +122℉) (10 to 85% humidity non-condensing)		-20℃ to +60℃ ( -4℉ to +140℉) (5 to 85% humidity non-condensing)		-20℃ to +60℃ ( -4℉ to +140℉) (20 to 85% humidity non-condensing)
Dimensions	W762×H467×D172mm W30×H18.39× D6.77 inch)		W750×H459×D107.2mm (W29.52×H18.07× D4.22 inch)		W428×H309×D145mm (W16.85×H12.17× D5.7 inch)
Weight *Excluding stand	30kg (66.14lbs)		14.5kg (31.96lbs)		8.5kg (18.74lbs)
Video					
Input/Output	12G-SDI	2 BNC inputs / 2 BNC outputs (Active Loop Through) Max.70m with 5.5 CUHD cable			
	3G-SDI/HD-SDI	5 BNC inputs (2 shared with 12G-SDI) / 5 BNC outputs (Active Loop Through)			
	HDMI	1 input (HDCP2.2)			
Audio					
Display	Embedded Audio Level Meter Display (8 ch)				
Speaker	Rating Output	1W+1W or more			
	Analog Audio Output	● (Stereo)			
5.1ch Surround Down-mix Output	●				
Headphone Output	●				
Command Control					
Ethernet	●				
Parallel Remote	●				
Serial Remote (RS-485)	●				
TSL (V3.1/V5.0)	●				
USB Mouse	●				
Infrared rays Remote (Controlled by RCT-30A)	●				
Function					
Built-in Test Signal	● (7 types)				
Marker	●				
User Marker	● (10 Scenes x 12 Markers)				
WFM (R/G/B/RGB/Y/Cb/Cr/YCbCr)	●				
VITC	●				
LTC	●				
Vector Scope (VSC)	●				
4-split Screen	●				
Auto Calibration	—	●		●	
UMD/IMD	●				
Closed Caption(EIA/CEA-708)	●				
HDR	●				
U. SELECT (1-4)	●				
Payload ID	●				
3D&1D LUT Correction	●				—
ASC CDL (Picture quality adjustment)	●				—
Gamut Marker	●				—
Uniformity Function	●				—

● : Standard

## Option

	Model	Description	HQLM-3125X	HQLM-3120W	HQLM-1720WR	Remarks
Remote Controller	RCT-30A	Infrared Remote Controller	●	●	●	
	SRC-400	Serial Remote Controller	●	●	●	Controls up to 96 monitlors with loop through connection (Made to order item)
Rackmount Adaptor	RS-1770	19-inch Rack Mount Adaptor			●	Fixed type, 7RU height
	RS-1770T	19-inch Rack Mount Adaptor with Tilt Mechanism			●	4-Step Angle, 8RU height with RS-1770T-BP
	RS-1770T-BP	Blank Panel			●	for RS-1770T
Stand	STD-3120T	Stand with Tilt Mechanism		●		(Made to order item)
	STD-3100P	Stand with Pan Mechanism	●	●		
	STD-1720	Monitor Stand			●	
	STD-1720T	Stand with Tilt Mechanism			●	Tilt (Axis:Center of Monitor):Up 15 degree / Down 8 degree
Handle	GR-1720	Handle			●	
LCD Protection	PP-1720	Screen Protection Cover			●	
Carrying Case	CC-3125	Hard Carrying Case	●			(Made to order item)
	CC-3120	Hard Carrying Case		●		(Made to order item)
	CC-Q1720	Hard Carrying Case			●	(Made to order item)

### Rackmount Adaptor



RS-1770/1770T  
19-inch Rack Mount Adaptor

### Remote Controller

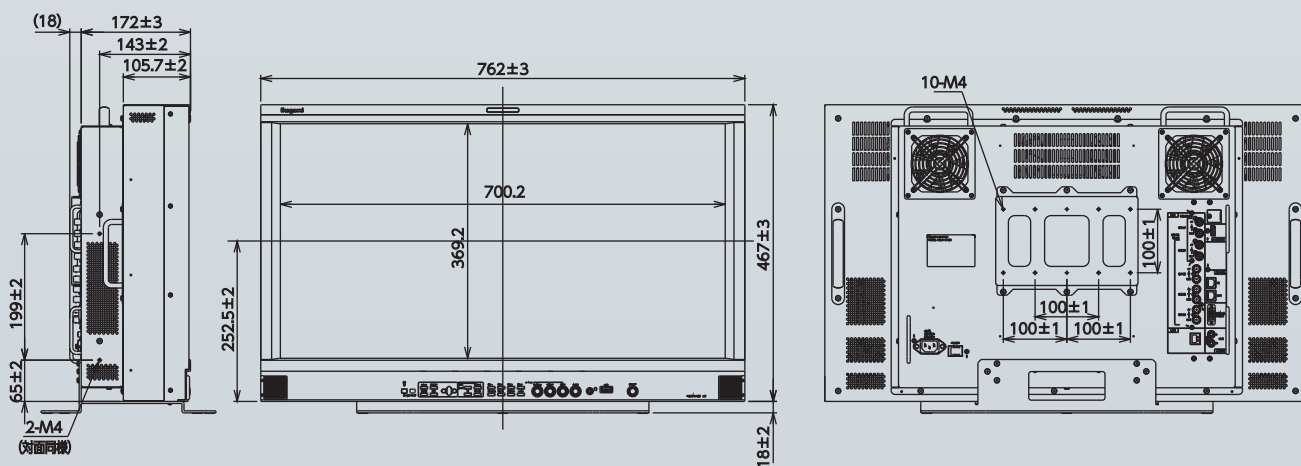


RCT-30A  
Infrared Remote Controller

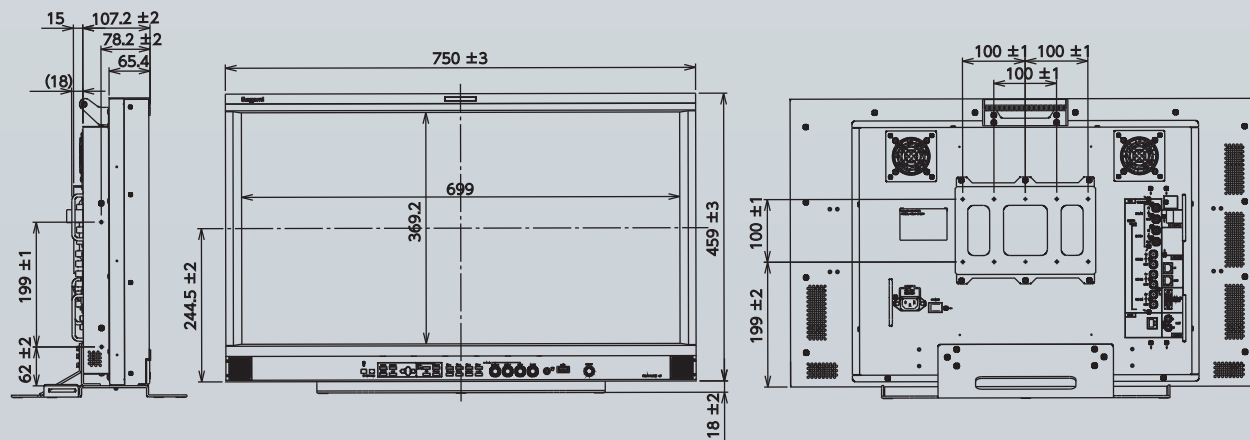
# Dimensions

Unit : mm

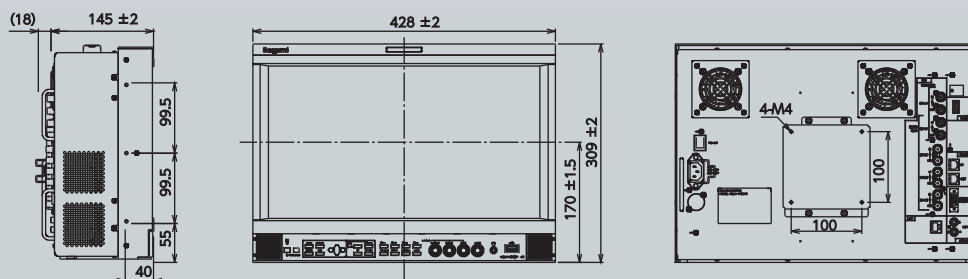
## HQLM-3125X



## HQLM-3120W



## HQLM-1720WR



# Broadcast 4K Monitors Lineup

Design and specifications are subject to change without notice.

U561A252-SELF

**Ikegami** **IKEGAMI ELECTRONICS (U.S.A.), INC.**

■ URL [www.ikegami.com](http://www.ikegami.com)

HEADQUARTERS 300 Route 17 South, Mahwah, NJ 07430 USA  
Phone:(201)368-9171 Fax:(201)569-1626