

# 55" UHD 12G-SDI Monitor

## LUM-550M

# 4K



FRONT



- SDI
- MODE
- HDMI
- MENU
- UP
- DOWN
- ENTER
- POWER
- USB



REAR

- 2 x 12G-SDI In
  - Ch1 / Ch2
- 4 x 3G-SDI In
  - Ch1 / Ch2 / Ch3 / Ch4
- 1 x 12G-SDI Out
  - Ch5
- 1 x HDMI 2.0 In **New**

### FEATURES

- 55", True UHD Resolution (3840x2160)
- High Contrast Ratio of 1100:1
- 1.07 Billion Colors (10bit)
- Wide Viewing Angle
- 4K / UHD Interface
  - 2x12G-SDI (Single Link) or 4x3G-SDI in (Quad Link)
  - 1xHDMI 2.0 in (**New**)
  - 1x12G-SDI out
- 1:1 Pixel Mapping
- Audio Level Meter
- Marker
- Time Code Display
- IR Remote Control
- Ultra Slim Bezel
- 3G-SDI Level A/B
- HDMI to SDI Conversion
- Network Control by Observer (Free PC Software)
- TVLogic Color Calibration Utility
- Auto Calibration
- Firmware Upgrade via USB flash drives

### Main body Dimensions

- Main Body : 1237.8 x 728.5 x 70 (mm)  
48.73 x 28.68 x 2.76 (inch)
- With stand : 1237.8 x 786.5 x 309.4 (mm)  
48.73 x 30.96 x 12.18 (inch)
- Weight : 22.2kg / 48.94lbs



## 55" UHD 12G-SDI Monitor

# LUM-550M

12G-SDI Single Link  
No more 4 cables

# 4K

Support HDMI 2.0  
for 4K/60p

# HDMI 2.0 is Here!



LUM-550M : 4K Mode  
12G-SDI, 6G-SDI Single Link



\* 12G-SDI : It supports 4K signals up to 2160/60p  
\* 6G-SDI : It supports 4K signals up to 2160/30p

3G-SDI Quad Link



\* It supports 4K signals up to 2160/60p

3G-SDI 2 Sample Interleave Mode  
Quad Link 2 Sample Interleave (2SI) : Each link  
contains a full image at 1/4 resolution  
- No Delay on video transmission  
- Even one of 4 links has a defect, it can still  
show the video



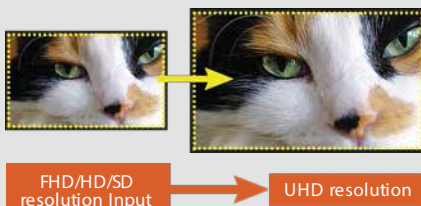
\* It supports 4K signals up to 2160/60p

HDMI 2.0 Single Link



\* It supports 4K signals up to 2160/60p

LUM-550M : Scaling up



LUM-550M : Up-Conversion



\* It has 1 x 12G-SDI Output but it can be used  
in many ways

- 1 x 12G-SDI In => 1 x 12G-SDI Out
- 4 x 3G-SDI In => 1 x 12G-SDI Out
- 3G/HD/SD In => 1 x 12G-SDI Out

Model	LUM-550M
Size	55"
Resolution	3840 x 2160 (16 : 9)
Pixel Pitch	0.315mm
Color Depth	1.07B (10bit)
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	500cd/m <sup>2</sup> (Center)
Contrast Ratio	1100 : 1
Display Area	1387.8(H) x 680.4(V) mm
<b>Input</b>	
4 x BNC	12G/3G/HD/SD SDI Input 2Ch 3G/HD SDI Input 2Ch
1 x HDMI	HDMI Input (HDMI 2.0)
<b>Output</b>	
1 x BNC	12G SDI Output 1Ch 3840x2160 60p/59.94p/50p (All Input Format Converted to 12G-SDI)
<b>Input Signal</b>	
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	480p / 720p / 1080p / 2160p
<b>SDI Input Signal Formats</b>	
SMPT E ST2082-10 Mode1	3840x2160 60p/59.94p/50p (12G-SDI x 1Ch)
SMPT E ST2081-10 Mode1	3840x2160 30p/29.97p/25p/24p**/ 23.98p** (6G-SDI x 1Ch)
SMPT E ST425-5	3840x2160 60p/59.94p/50p (3G-SDI x 4Ch)
SMPT E ST274	3840x2160 30p/29.97p/25p/24p**/ 23.98p**(HD-SDI x 4Ch)***
SMPT E ST425	1920x1080 60p/59.94p/50p (3G-SDI LEVEL A)
	1920x1080 60i/59.94i/50i/30p/29.97p/25p/ 24p**/23.98p** (3G-SDI LEVEL B)
	1280x720 60p/59.94p/50p (3G-SDI LEVEL B)
SMPT E ST274	1920x1080 60i/59.94i/50i/30p/29.97p/25p/ 24p**/23.98p**
SMPT E ST296	1280x720 60p/59.94p/50p
SMPT E ST259	720x487 59.94p, 720x576 50p
<b>SDI Input Signal Formats</b>	
HDMI V2.0	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF /25sF/24sF/23.98sF)
HDMI V1.4	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
HDMI V1.2	720p (60/59.94/50)
Audio Input	SDI Embedded Audio (Group, Ch Selectable)
Audio Output	External Output Port (3.5m Phone Jack)
Power	100~240V, 50/60Hz
Power Consumption (Approx.)	TBD
Operating Temperature	0°C to 40°C (32°F to 104°F )
Storage Temperature	-20°C to 60°C (-4°F to 140°F )
Accessory	AC Power Cable

\* Specifications may be changed without notice.

\*\* 24P/23.97P : 60p/59.94p Frame-rate Converted Display

\*\*\* Not support 2 Sample Interleaved Input