

PHASE | TV Logic: LUM Series

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12G / FHD Display

LUM-171G (12G / 4K) *New!*

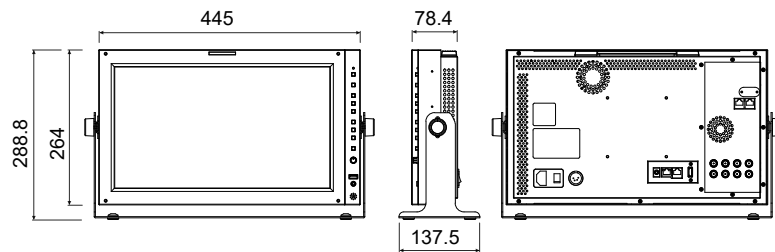
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12G/4K | 30



Main body Dimensions

- Main Body : 445 x 264 x 78.4 (mm) / 17.52 x 10.39 x 3.09 (inch)
- With stand : 492.2 x 288.8 x 137.5 (mm) / 19.38 x 11.37 x 5.41 (inch)
- Weight : 7kg / 15.43lbs



Optional Accessories



17" 1920x1080 with up to 12G 4K input

The new LUM-171G monitor supports 3G/6G/12G-SDI input - 2x3G-SDI & 2x12G-SDI. The LUM-170G combines a native 1920 x 1080 IPS LCD with SD/HD/UHD/4K input support for the most versatile monitoring and field production applications



Product Highlights

- Practical hybrid of FHD panel + 4K Interface
- 16.5", 1920x1080 Resolution (16:9)
- Luminance up to 450cd/m²
- High Contrast Ratio of 1400:1
- Wide Viewing Angle
- 4K / UHD Interface
 - 2x12G-SDI & 2x3G-SDI in
 - 4xSDI out (Loop Through Out)
 - 1xHDMI in (HDMI 2.0)
- TVLogic Color Calibration Utility
- Matte Finish Panel
- True 24p(48Hz) driving for Digital Cinema
- 1:1 Pixel Mapping Modes for SD/HD/FHD
- Waveform/Vectorscope
- Blue Only
- H/V Delay
- Audio Level Meter
- Marker
- Mono
- Time Code Display
- Focus Assist

Input	
4 x BNC	12G-SDI A/B Channel Input, 3G-SDI C/D Channel Input
1 x HDMI	HDMI Input (HDMI 2.0)
Output	
4 x BNC	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)
Input Signal	
12G-SDI	12Gb/s
6G-SDI	6Gb/s
3G-SDI	2.970Gb/s
HD-SDI	1.485Gb/s
HDMI	480p / 720p / 1080p / 2160p
SDI Input Signal Formats	
SMPTE-425M-A/B	1080p (50/59.94/60)
SMPTE-274M	1080p (23.98/24/25/29.97/30p/psF)
SMPTE-296M	720p (60/59.94/50)
SMPTE ST 2036-1:2009	3840x2160(23.98/24/25/29.97/30/50/59.94/60p)
SMPTE ST 2048-1:2011	2048x1080(23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p)
SMPTE ST 2081	3840x2160 (30/25/24p)
SMPTE ST 2082	3840x2160 (60/50/30/25/24p)
Audio IN	
Audio OUT	Analog Stereo (Phone Jack)
Power	
Power	DC 12V / AC 100~240V(50~60Hz)
Power Consumption (Approx.)	
Power Consumption (Approx.)	48Watts (Max.)
Operating Temperature	
Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Accessory	
Accessory	AC Power Cord / Stand

* Specifications may be changed without notice.

Size	16.5"
Resolution	1920X1080(16:9)
Pixel Pitch	0.1905mm
Color Depth	1.07B (10bit)
Viewing Angle (Typ.)	178°(H)/178°(V)
Luminance (Max.)	450cd/m ²
Contrast Ratio	1400:1
Display Area	366(H)x206(V)mm

12G / 4K Display

LUM-240G (12G/4K) *New!*

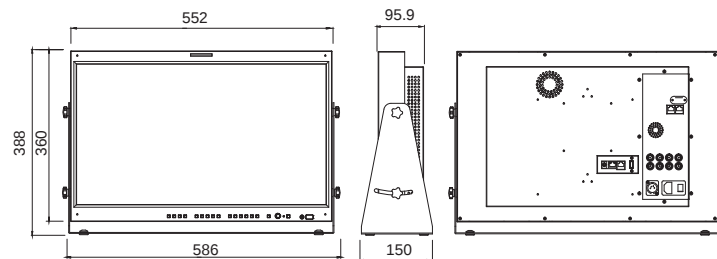


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Main body Dimensions

- Main Body : 552 x 360 x 95.9 (mm) / 21.73 x 14.17 x 3.77 (inch)
- With stand : 586 x 388 x 150 (mm) / 23.07 x 15.27 x 5.9 (inch)
- Weight : TBD



LCD	
Size	23.8"
Resolution	3840 x 2160 (16:9)
Pixel Pitch	0.137mm
Color Depth	1.07 B
Viewing Angle (Typ.)	178°(H)/178°(V)
Luminance (Max.)	350cd/m ²
Contrast Ratio	1000:1
Display Area	527.04(H)X296.46(V)mm

12G-SDI Single Link 4K

The LUM-240G is a 24" 4K(3840x2160) monitor with 12G-SDI interface - 2x3G-SDI & 2x12G-SDI. The LUM-240G supports various video formats including 12G/ 3G/ HD-SDI and HDMI 2.0. The LUM-240G provides wide color gamut up to DCI and includes 3D LUT support and a full feature set.



Product Highlights

- 23.8" 3840 x 2160 Resolution
- Matte Finish Panel
- True 4K Resolution
- True DCI color gamut
- True 24p(48Hz) driving for Digital Cinema
- 1:1 Pixel Mapping Modes for HD
- Blue Only
- H/V Delay
- Marker
- Mono
- TVLogic Color Calibration Utility
- Single Mode (full screen)

Input

4 x BNC	12G-SDI A/B Channel Input, 3G-SDI C/D Channel Input
1 x HDMI	HDMI Input (HDMI 2.0)

Output

4 x BNC	SDI A/B/C/D Channel Output (Active Through Out)
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Input Signal

12G-SDI	11.880Gbps
3G-SDI	2.970Gbps
HD-SDI	1.485Gbps
HDMI	480p / 720p / 1080p / 2160p

SDI Input Signal Formats

SMPTE-425M-A/B	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
SMPTE-274M	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE-296M	720p (60/59.94/50)
SMPTE ST 2036-1:2009	3840x2160(23.98/24/25/29.97/30/50/59.94/60p)
SMPTE ST 2048-1:2011	2048x1080(23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p)
Audio OUT	Analog stereo (Phone Jack)
Power	DC 24V / AC 100~240V (50~60Hz)
Power Consumption (Approx.)	TBD
Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Accessory	AC Power Cord / Stand

* Specifications may be changed without notice.

Optional Accessories



4K Display LUM-310A (4K) *New!*



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31" True DCI 4K monitor

The UHD or 4K monitor with a 31" native 4K resolution of 4096x2160, 10-bit driving and DCI color gamut supported IPS LCD panel with professional features and various interface of SDI, HDMI and Display ports.



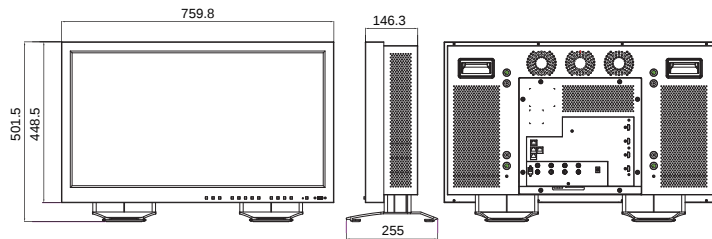
Product Highlights

- **31" 4096 x 2160 Resolution**
- Matte Finish Panel
- True 4K Resolution
- True DCI color gamut
- True 24p(48Hz) driving for Digital Cinema
- 1:1 Pixel Mapping Modes for HD
- Blue Only
- H/V Delay
- Marker
- Mono
- TVLogic Color Calibration Utility
- Single Mode (HD & FHD upscale to 3840*2160)



Main body Dimensions

- Main Body : 759.8 x 448.5 x 146.3 (mm) / 29.91 x 17.66 x 5.76 (inch)
- With stand : 759.8 x 501.5 x 255 (mm) / 29.91 x 19.74 x 10 (inch)
- Weight : 24.8kg / 54.67lbs



LCD

Size	31.1"
Resolution	4096 x 2160 (17:9)
Pixel Pitch	0.1704mm
Color Depth	1.07B (True 10bit)
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	500cd/m ² (center)
Contrast Ratio	1450:1
Display Area	698(H) x 368(V) mm

Input	
4 x BNC	3G-SDI A/B/C/D Channel Input
4 x HDMI	HDMI A/B/C/D Channel Input (HDMI 1.4)

Output	
4 x BNC	3G-SDI A/B/C/D Channel Output (Active Through Out)

Input Signal	
3G-SDI	2.970Gbps
HD-SDI	1.485Gbps
HDMI	480p / 720p / 1080p / 2160p

SDI Input Signal Formats

SMPTE-425M-A/B	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF / 29.97sF/25sF/24sF/23.98sF)
SMPTE-274M	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE-296M	720p (60/59.94/50)
SMPTE ST 2036-1:2009	3840x2160(23.98/24/25/29.97/30/50/59.94/60p)
SMPTE ST 2048-1:2011	2048x1080(23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p)
Audio OUT	Analog stereo (Phone Jack)
Power	DC 24V / AC 100~240V (50~60Hz)
Power Consumption (Approx.)	199 Watts(Max)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 50°C (-4°F to 122°F)
Accessory	AC Power Cord / Stand

*Support Resolution and Frame Rate

HD-SDI Quad link (4K)	3840x2160 (24/25/30p)	YCbCr 4:2:2 10bit
	4096x2160 (24/25/30p)	YCbCr 4:4:4 10/12bit RGB 4:4:4 10/12bit
3G-SDI Quad link(4K)	3840x2160 (23.98/24/25/29.97/30p/Psf)	YCbCr 4:2:2 10bit
	4096x2160 (23.98/24/25/29.97/30p/Psf)	YCbCr 4:4:4 10/12bit RGB 4:4:4 10/12bit
3G-SDI 2-Sample Interleave Dual link(4K)	3840x2160 (50/59.94/60p)	YCbCr 4:2:2 10bit
	4096x2160 (47.95/48/50/59.94/60p)	YCbCr 4:2:2 10bit
3G-SDI 2-Sample Interleave Quad link(4K)	3840x2160 (23.98/24/25/29.97/30p)	YCbCr 4:2:2 10bit
	4096x2160 (23.98/24/25/29.97/30p)	YCbCr 4:4:4 10/12bit RGB 4:4:4 10/12bit
3G-SDI 2-Sample Interleave Quad link(4K)	3840x2160 (50/59.94/60p)	YCbCr 4:2:2 10bit
	4096x2160 (47.95/48/50/59.94/60p)	YCbCr 4:2:2 10bit

* Specifications may be changed without notice.

Optional Accessories



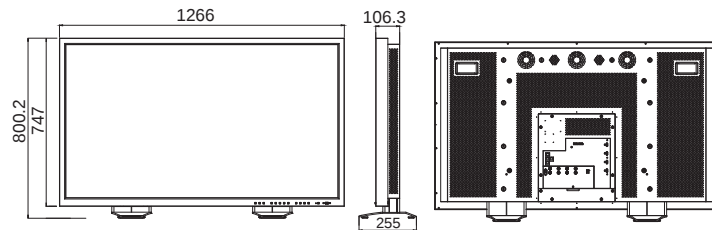
NOTE : Please refer to the user manual for the supporting video formats.

4K Display LUM-550W (4K)



Main body Dimensions

- Main Body : 1266 x 747 x 106.3 (mm) / 49.84 x 29.4 x 4.18 (inch)
- With stand : 1266 x 800.2 x 255 (mm) / 49.84 x 31.5 x 10 (inch)
- Weight : TBD



LCD

Size	55"
Resolution	3840 x 2160 (16:9, 1920 x 1080 x 4ch)
Pixel Pitch	0.315mm
Color Depth	1.07B
Viewing Angle (Typ.)	178°(H) / 178°(V)
Luminance (Max.)	450cd/m ² (center)
Contrast Ratio	1400:1
Display Area	1209(H) x 680(V) mm

Professional 55" UHD Monitor

The LUM-550W is the Ultra High Definition monitor utilizing a 55" UHD(3840x2160) resolution and 10-bit driving LCD panel. It is designed for various industrial applications along with the UHD broadcasting production and post production. The LUM-550W has the same interface with the LUM-300W ; 4x3G-SDI, 4xHDMI and 2xDisplayPorts.



Product Highlights

- 55" 3840 x 2160 Resolution
- True UHD Resolution of 3840x2160
- 1:1 Pixel Mapping Modes for HD
- Blue Only
- H/V Delay
- Key lock
- Marker
- Mono
- TVLogic Color Calibration Utility
- Single Mode (70% of full screen)

Input

2 x Displayport	DISPLAY PORT A/B Input
4 x BNC	3G-SDI A/B/C/D Channel Input
4 x HDMI	HDMI A/B/C/D Channel Input

Output

4 x BNC	3G-SDI A/B/C/D Channel Output (Active Through Out)
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Input Signal

3G-SDI	2.970Gbps
HD-SDI	1.485Gbps
HDMI / DP	480p / 720p / 1080p / 2160p

SDI Input Signal Formats

SMPTE-425M-A/B	1080p (60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF)
SMPTE-274M	1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE-296M	720p (60/59.94/50)
SMPTE ST 2036-1:2009	3840x2160(23.98/24/25/29.97/30/50/59.94/60p)
SMPTE ST 2048-1:2011	2048x1080(23.98/24/25/29.97/30p/psf, 47.95/48/50/59.94/60p)

Audio OUT	Analog stereo (Phone Jack)
Power	AC 100~240V (50~60Hz)
Power Consumption (Approx.)	247 Watts(Max)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 50°C (-4°F to 122°F)
Accessory	AC Power Cord / Stand

*Support Resolution and Frame Rate

HD-SDI Quad link (4K)	4096x2160 / 24p, 25p, 60p	YCbCr 4:2:2 10bit
	3840x2160 / 24p, 25p, 30p, 50p, 60p	
3G-SDI Quad link(4K)	4096x2160 (23.98/24/25/29.97/30p/Psf)	YCbCr 4:2:2 10bit
	3840x2160(50/59.94/60p)	
	3840x2160 (23.98/24/25/29.97/30p/Psf)	YCbCr 4:4:4 10/12bit
	4096x2160 (47.95/48/50/59.94/60p)	
3G-SDI 2-Sample Interleave Dual link(4K)	4096x2160 (23.98/24/25/29.97/30p/Psf)	YCbCr 4:4:4 10/12bit
	3840x2160 (23.98/24/25/29.97/30p/Psf)	
	4096x2160 (23.98/24/25/29.97/30p)	YCbCr 4:2:2 10bit
	3840x2160 (23.98/24/25/29.97/30p)	
3G-SDI 2-Sample Interleave Quad link(4K)	4096x2160 (23.98/24/25/29.97/30p)	YCbCr 4:4:4 10/12bit
	3840x2160 (23.98/24/25/29.97/30p)	
	4096x2160 (23.98/24/25/29.97/30p)	YCbCr 4:4:4 10/12bit
	3840x2160 (23.98/24/25/29.97/30p)	

* Specifications may be changed without notice.

Optional Accessories



NOTE : Please refer to the user manual for the supporting video formats.

EXCLUSIVE REPRESENTATIVE:





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