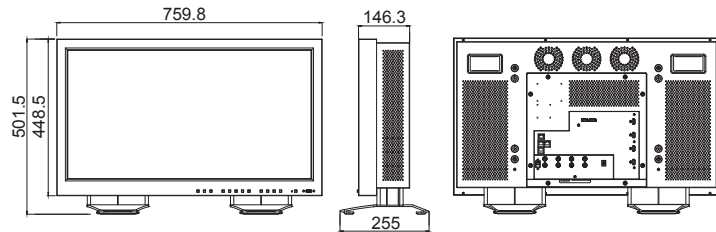


# 4K Display LUM-300W (4K)



## 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



## Professional 31" DCI 4K Monitor

The LUM-300W is the desk-top-size Ultra High Definition monitor utilizing a 31" native 4K(4096x2160) resolution and 10-bit driving LCD panel. It is designed for high-end 4K cinema post as well as high-resolution industrial, military, medical and CAD design applications. The LUM-300W has 4x3G-SDI, 4xHDMI and 2xDisplayPorts. The LUM-300W has the same interface but advanced features and higher frame rate for UHD and 4K can be supported - i.e. 4096x2160/50p or 60p thru 1xDP(1.2).



## 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 (70% of full screen)

## 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.)	850cd/m <sup>2</sup> (center)
Contrast Ratio	1450:1
Display Area	698(H) x 368(V) mm

## 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 (HDMI 1.4)

## 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	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 (23.98/24/25/29.97/30p)	YCbCr 4:2:2 10bit
	4096x2160 (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 (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.