



STARVIEW
TECHNOLOGIES
Infinite Possibilities



STARVIEW SA-CL SERIES

INDOOR LED VIDEO WALL

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DESCRIPTION

Starview SA-CL Series indoor LED Video Wall displays offer seamless, front-service, high resolution visual experiences. Available in pixel pitches as small as 1.56 mm, infinite expansion and stable configuration method different from the limited existing LCD screen configuration products. With a display capable of expressing various images, it is a multi-display that can be used efficiently in the desired place.

FEATURE

- ▶ 1.56 / 1.875 / 2.0 mm LED Pitch
- ▶ Indoor 500 ~ 600 cd/m² brightness
- ▶ High refresh rate & gray scale to realize clear and smooth images
- ▶ Support HDR10
- ▶ Durable over 100,000 hours of LED Lifetime (semi-permanent)
- ▶ Partial repair is possible with the separation method of LED module
- ▶ It realize perfect color adjustment with dedicated calibration tool
- ▶ Thin and light cabinet
- ▶ Fanless suitable for indoors, fanless design

LED MODULE

The LED display, which expands by attaching a module to the cabinet, is easy to use and install, such as wall-mounted, mounted, and stand-type, and maintenance and module replacement are simple.



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INDOOR LED DISPLAY TECHNOLOGY

Starview brings LED video to the next level with its standard package LED display solution. Designed for premier applications that require the highest image quality at the closest viewing distances, this product takes advantage of 3-in-1 SMD (surface-mount device) LED technology to produce exceptional brightness, unsurpassed viewing angles and incredible picture detail. Starview can provide flexible solutions to fit customers' unique display needs, right down to the LED.



INSTALLED FOR MANY DISPLAY APPLICATIONS



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SPECIFICATION

STARVIEW SA-CL SERIES INDOOR LED VIDEO WALL SPECIFICATIONS			
Model	SA-CL1.5	SA-CL1.8	SA-CL2.0
LED Type	SMD1515, RGB 3-in-1	SMD1515, RGB 3-in-1	SMD1515, RGB 3-in-1
Pixel Pitch	1.56 mm	1.875 mm	2.0 mm
Cabinet Resolution	320 x 320 pixel	266 x 266 pixel	250 x 250 pixel
Cabinet Size (W x H x D)	500 x 500 x 78 mm		
Cabinet Material	Die-cast Aluminum		
Cabinet Weight	15 Kg/Sqm		
Modules/Cabinet	4 pcs		
Module Size	250 x 250 mm		
Module Resolution (W x H)	160 x 160 pixel	133 x 133 pixel	125 x 125 pixel
Pixel Density (pixels/m ²)	409,600	283,024	250,000
Birghtness (cd/m ²)	500 - 600		
Contrast Ratio	≥5000:1		
Driving Method	1/20	1/40	1/43
Viewing Angle (H/V)	160°/160°		
Min. Viewing Distance	1.56 m	1.875 m	2.0 m
Display Color	14 bits (4,398 billion)		
HDR10	Support		
Color Temperature	6500K ± 500		
Refresh Rate	7680 Hz (Adjustable in software)		
Power Supply	AC 110 ~ 240V, 50/60 Hz		
Power Consumption (Max. / Ave.)	Max: 650W/m ² ; Average: 200W/m ²		
MTBF	> 100,000 hours		
LED Lifetime, Typical	> 100,000 hours		
IP Rating (Front/Rear)	IP55		
Maintenance Method	Front or rear		
Storage Temperature	-30° to 60° C		
Storage Humidity	0 - 90% relative humidity non-condensing		
Operating Temperature	-30° to 60° C		
Operating Humidity	0 - 90% relative humidity non-condensing		
Controller	SA-MTCL		

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SA-MTCL LED CONTROLLER

Features

- A variety of input connectors
 - 1x DP 1.2
 - 1x HDMI 2.0
 - 2x DL-DVI
- 16 Neutrik Gigabit Ethernet ports and 4 optical ports
 - For DP/HDMI input, the maximum loading capacity is 8,800,000 pixels.
 - For DVI input, the maximum loading capacity is 8,300,000 pixels.
 - The maximum output height or width of a single SA-MTCL is 7680 pixels.
 - For 10-bit or 12-bit inputs, this function can individually adjust the red gamma, green gamma and blue gamma to effectively control image nonuniformity in low grayscale conditions and white balance offset, allowing for a more realistic image.
- RGB limited to RGB full
 - This function automatically converts the color range of the input source from RGB limited to RGB full so as to display natural black in low grayscale conditions.
- Low latency
 - When low latency and input source sync are enabled, and cabinets are connected vertically, the delay between the input source and receiving card can be reduced to one frame.
- High bit-depth inputs: 8bit/ 10bit/ 12bit
- Inputs with decimal frame rates
- Cascading of up to 10 SA-MTCL units
- HDR function
 - HDR10 and HLG are supported.
 - The SA-MTCL can work with the receiving cards that support HDR to greatly enhance the image quality of the display, presenting more vivid and detailed images.
- 3D
 - The SA-MTCL can work with the 3D emitter SMT200 and 3D glasses, allowing you to experience 3D display effects.
- Individual gamma adjustment for RGB
 - Adaptive to 23.98/ 29.97/ 47.95/ 59.94/ 71.93/ 119.88 Hz
- Pixel level brightness and chroma calibration
 - The SA-MTCL can work with Starview's highprecision calibration system to calibrate the brightness and chroma of each pixel, effectively removing brightness differences and chroma differences, enabling high brightness consistency and chroma consistency.
- Ultra-high resolution input
 - Supports ultra-high resolution settings with NVIDIA graphics card.

Specifications

Input	1x DP 1.2, 1x HDMI 2.0, 2x DL-DVI Supported resolutions: Up to 4096x2160 @ 60 Hz HDCP 1.4 and HDCP 2.2 compliant	
Output	16x Neutrik (NE8FBH) Gigabit Ethernet ports, 4x 10G optical ports	
Control	1x Ethernet (RJ45), Wireless remote control	
Other Interface	1x USB 2.0 (Type-B), 1x USB 2.0 (Type-A)	
Operating System	Starview	
Accessories	Cable, power cord, remote control	
Electrical Parameters	Input voltage	AC100 ~ 240V, 50/60 Hz
	Rated power consumption	30 W
Operating Environment	Temperature	-20° to 60° C
	Humidity	10% RH to 90% RH, non-condensing
Storage Environment	Temperature	-20° to 70° C
	Humidity	10% RH to 90% RH, non-condensing
Physical Specifications	Dimensions	482.6 x 372.0 x 88.1 mm
	Weight	4.6 kg

Product



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For the most current specification information, please visit: <http://starviewtech.asia> or <http://www.starviewtech.net>.
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