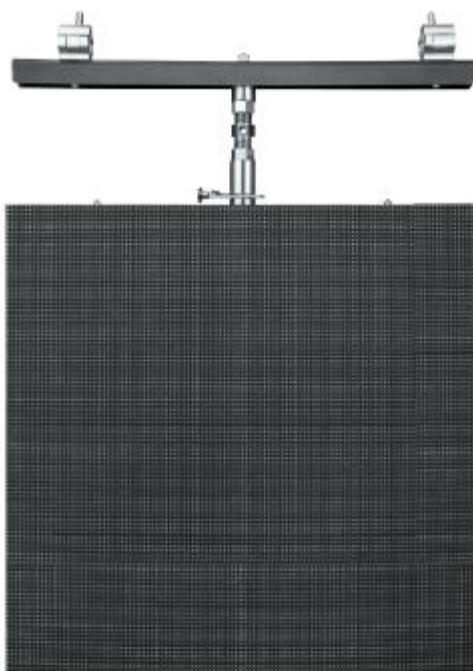
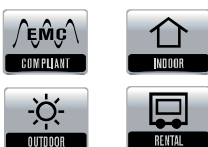




**SunRise LED Inc.**<sup>TM</sup>  
Let SunRise *Light Up* Your Business



**LCMLED**<sup>TM</sup>



**Strong, Lightweight Modular LED Displays**  
Featuring KWIK-Connect Technology and Unparalleled rigging Flexibility





product features

## Strong, Compact & Smart Modular Display with KWIK-Connect™ System & Ultimate Rigging Flexibility

CROSS-RENTABILITY  
ADVANTAGE  
MIX & MATCH FLEXIBILITY

SunRise **LCM** LED™ allows you to configure panels with various pixel pitch from 4mm indoor to 32mm\*\* outdoor all in one screen! This means greater flexibility in rigging with less inventory because you can use similar display structure, mechanism and share accessories.

RIG & CLICK  
INSTALLATION  
QUICK & EASY

SunRise **LCM** LED™ is designed with the LED screen rental industry in mind. With patent pending KWIK-Connect™ system which includes a king pin and Allen key click prelock mechanism to make panel connection faster and more secure. The system also comes with an adjustable hanging bracket that makes panel height adjustment a breeze compared to the conventional way of rigging screens.

SLIMLINE &  
LIGHTWEIGHT  
TOUGH & STRONG

SunRise **LCM** LED™ features a slimline, lightweight cabinet made of heavyduty precision laser cut aluminum. Designed for fast and easy rigging. These seamless displays, coupled with sturdy circuitry and component assembly, are built to withstand frequent handling and are ready to perform even in harsh environments.

Pro-SMT  
TECHNOLOGY  
HI-IMPACT SHIELD

SunRise **LCM** LED™ outdoor series is equipped with Pro-SMT LED, a patent pending component featuring replaceable hi-impact resistant shields that protect surface mounted LEDs from moisture and UV. These shields also serve as contrast enhancement filters to enhance the displays clarity and visibility.

>1.2 kHz  
HI-REFRESH RATE  
STATIC & FLICKER-FREE

With high refresh rates of more than 1,200 Hz, SunRise **LCM** LED™ is broadcast-ready; providing static and flicker-free video images for video recording and live video feeds.

PIX-LEVEL  
CALIBRATION  
BRIGHT & COLORFUL

Correct and configure the display to achieve the best possible visual appearance in terms of luminance (brightness) and color uniformity, ensuring its performance level is maximized throughout the display life.

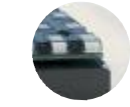
HT+70™  
HI-TEMPERATURE  
OPERABILITY & EFFICIENCY

Supported by an energy efficient system that is rated to withstand high operating temperatures up to +70°C and consumes less power. A "green feature" that reduces impact on the environment while saving you money.

More than 1,200Hz refresh rate

Enhanced Contrast and Visual Performance

Pix-Level Calibration  
Calibratable brightness and colour uniformity



Pro-SMT LED\*  
Hi-impact resistance shields to protect LEDs from harm and moisture

Aluminum Cabinet  
2.5mm thick metal  
Slim profile and lightweight

Square Module  
Symmetric design can be used horizontally and vertically

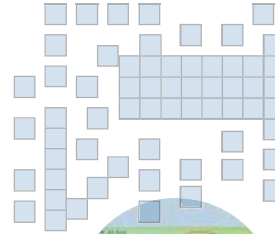
- Seamless connection between panels
- Hot swappable panels
- Wide/optimized viewing angle
- Fan-less design enables silent and maintenance-free operation



## product features



Advanced Image Processing Platform  
Foreground's powerful image control system includes a digitizer, receiver card and user-friendly Fore-G System Management Software for fast, trouble free set-up and configuration.



Allowing total control of your display content at a simple mouse click

Acceptance of a multitude of data and video source

Compatibility with all resolutions and aspect ratios

Scaling/compressing capability



Fore-G System Management Software  
Forward compatible Windows based set-up software provides easy to navigate environment and is packed with diagnostic features like Failure Notification, Thermostatic Monitoring, Data Transmission \ Verification, etc

"Rig & Click" Prelock Mechanism and King Pin  
Easy and quick assembling



Front and Rear Accessibility  
Improves the serviceability or single strip replacement



Control Unit  
The control unit can be opened while the tile is operating

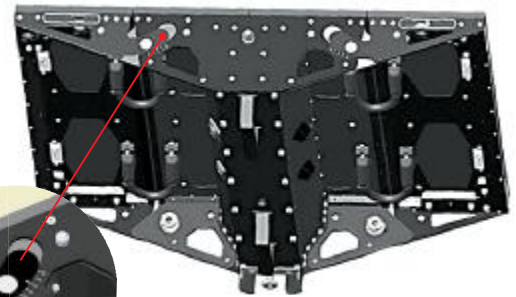
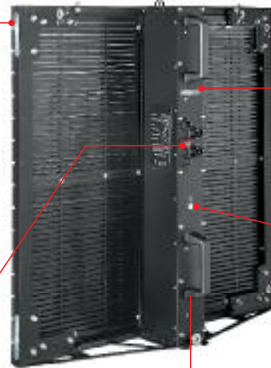


Test Button  
Allows RGBW preview testing without connecting to any PC or external data source



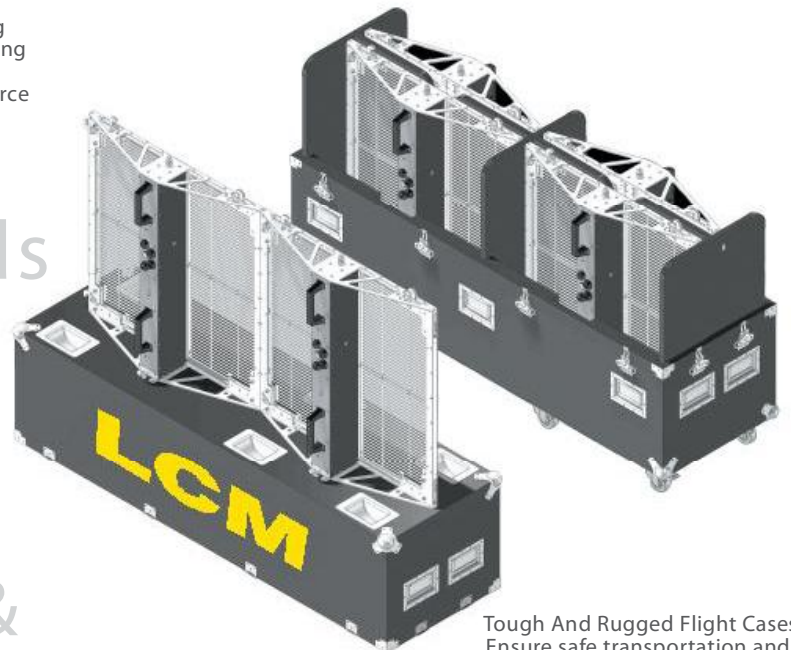
Special Arc Protected power switch designed for additional protection against arc fault during installation

Ergonomically Placed Handle  
Easy setup by single person



Twist-Curved Set-Up Mechanism\*  
Spice up your imaging landscape via convex or concave curved video walls with angles between 10° and -10° diameter: from 4m

billboards  
arenas  
auditoriums  
shopping malls  
stadiums  
squares &  
concourses



Tough And Rugged Flight Cases  
Ensure safe transportation and storage of your investment



# SunRise LCM LED



specifications



Material Parameters	LCM-4	LCM-6	LCM-8	LCM-9.6	LCM-12	LCM-16
Pixel Pitch	4.0 mm	6.0 mm	8.0 mm	9.6 mm	12.0 mm	16.0 mm
Pixel Matrix Per Tile	96 x 24	64 x 16	48 x 24	40 x 20	32 x 4	24 x 12
Pixels Per Tile	2,304	1,024	1,152	800	128	288
Pixel Density	62,500/m <sup>3</sup>	27,777/m <sup>3</sup>	15,625/m <sup>3</sup>	10,851/m <sup>3</sup>	6,944/m <sup>3</sup>	3,906/m <sup>3</sup>
Module Size (mm)	384 x 96	384 x 96	384 x 192	384 x 192	384 x 48	384 x 192
Recommended Minimum Viewing Distance	> 4 m	> 6 m	> 8 m	> 9.6 m	> 12 m	> 15 m
Brightness	≥1,200 cd/m <sup>2</sup>		≥6,000 cd/m <sup>2</sup>		≥6,000 cd/m <sup>2</sup>	≥5,500 cd/m <sup>2</sup>
Colour Temperature	5,000° — 9,000° K		5,000° — 9,000° K		5,000° — 9,000° K	
Contrast Ratio	3,000 : 1		2,200 : 1		2,200 : 1	
Viewing Angle Horizontal & Vertical (50% Brightness)	140° (+70° / -70°)		140° (+70° / -70°)		140° (+70° / -70°)	
Panel Weight	18 kg per panel		19 kg per panel		19 kg per panel	
Panel Dimensions (W x H X Depth)	768mm x 768mm x 106mm		768mm x 768mm x 148mm		768mm x 768mm x 106mm	
Panel Area	0.589 sq.m.		0.589 sq.m.		0.589 sq.m.	
Panel Material	Aluminum		Aluminum		Aluminum	
Ingress Protection(Front/Rear)	IP40 / IP65		IP65 / IP65		IP65 / IP65	
Operating Temperature Range	-10°C to + 70°C		-20°C to + 70°C		-20°C to + 70°C	
Operating Humidity Range	20% to 90% RH		20% to 90% RH		20% to 90% RH	
Pixel Type & Config. (R/G/B)	SMD 3 in 1 3528		SMD 3 in 1 3535		SMD 3 in 1 3535	
Colours	281 trillion		281 trillion		281 trillion	
Grey Scale (Linear)	16 bits x RGB		16 bits x RGB		16 bits x RGB	
Brightness Control	100 levels		100 levels		100 levels	
Processing Depth	16 bits (65,536 levels)		16 bits (65,536 levels)		16 bits (65,536 levels)	
Video Frame Rate	≤50 Hertz — 85 Hertz		≤50 Hertz — 85 Hertz		≤50 Hertz — 85 Hertz	
Display Refresh Rate	> 1,200 Hertz		> 1,200 Hertz		> 1,200 Hertz	
Drive Mode	1:8 multiplex		1:4 multiplex		Static Drive	
Input Voltage (Nominal)	110 VAC / 220 VAC ± 10%		110 VAC / 220 VAC ± 10%		110 VAC / 220 VAC ± 10%	
Input Power Frequency	47 Hertz / 63 Hertz		47 Hertz / 63 Hertz		47 Hertz / 63 Hertz	
Input Power (Max)	≤400 Watts/panel		≤550 Watts/panel		≤550 Watts/panel	
Input Power (Ave.)	≤120 Watts/panel		≤170 Watts/panel		≤170 Watts/panel	
Lifetime (50% Brightness)	≥100,000 Hours		≥100,000 Hours		≥100,000 Hours	
Application	Indoor		Indoor / Outdoor		Indoor / Outdoor Mesh	

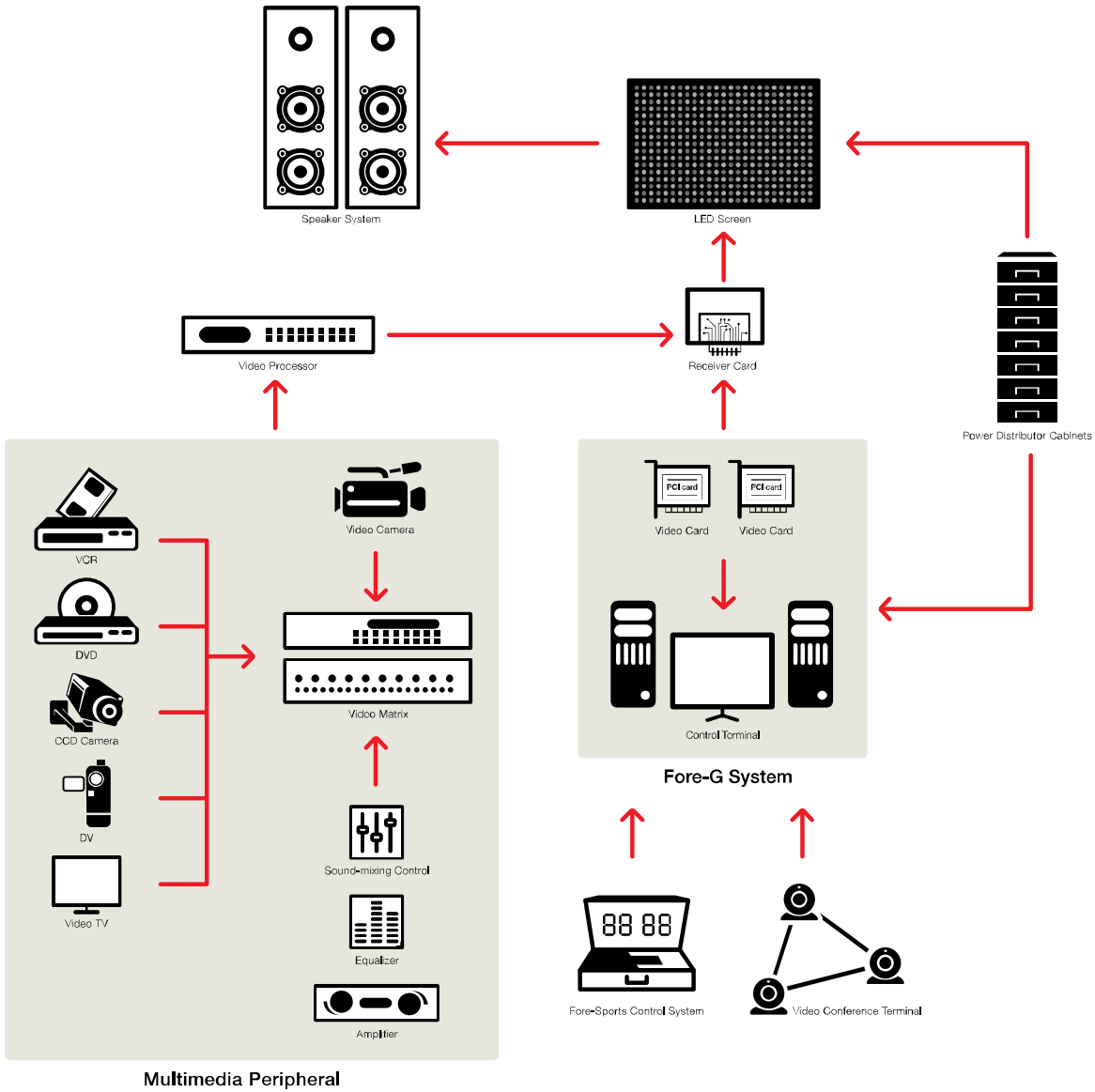
Compliance



Features and specifications are subject to change without prior notice.

\* Please specify when placing order. \*\* 24 mm and 32 mm pixel pitch available upon request. Terms and conditions apply.

# Network Multimedia System Connections



Complies with the essential standard/requirements of:



**SunRise LED Inc.**  
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 Web: [www.sunriseled.us](http://www.sunriseled.us)