







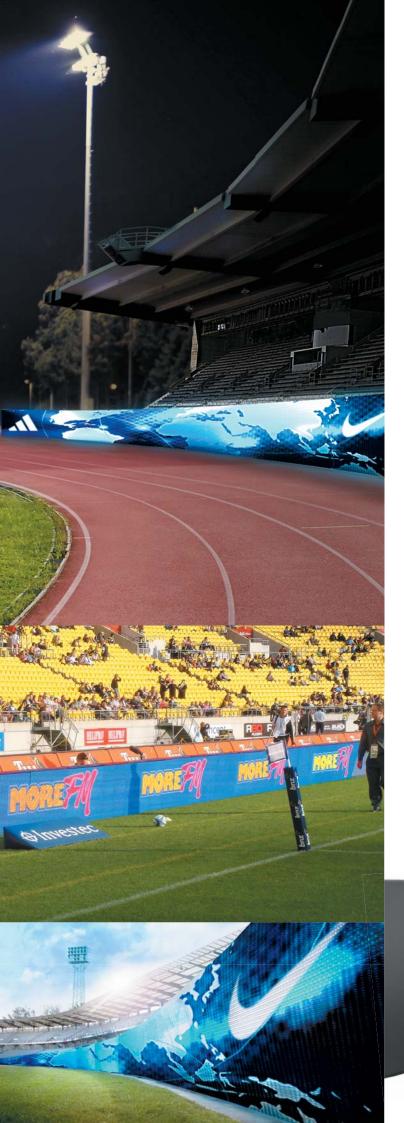
Curvable Pro Sports Perimeter Display with Pro-SMTTM & KWIK-ConnectTM Technologies



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COMPLIANT

INDOO





hawkLED

Curvable Pro Sports Perimeter Display with Pro-SMT® II & KWIK-Connect® Technologies



Foreground hawkLED[™] comes with Pro-SMT II, a patented hi-impact resistance shield that protects surface mounted LEDs and effectively reduces glare and enhances the LED's contrast. This technology also utilizes both Nanotech coating and epoxy potting to create a smoother and flatter surface protection from shocks, vibrations, moisture and UV harm.

& LIGHTWEIGHT **TOUGH & STRONG** Foreground hawkLED[™] comes with slimline and lightweight cabinets that are made of heavy duty aluminum laser cut to precision. Despite being 50% lighter than most displays in this category, these cabinets are designed and built to withstand frequent handling. Coupled with robust circuitry and component assembly, they are ready to perform even in the harshest environments.

RIG & CLICK INSTALLATION **OUICK & EASY**

Foreground hawkLEDTM is designed with easy installation in mind. Its patented KWIK-Connect™ system comes with an Allen key click prelock mechanism to make panel connection faster, safer and more secure.



Foreground's hi-refresh LEDs are developed specially for static free display when recorded on TV or video camera. With more than 3000Hz, these LEDs can display flicker free video images, which includes live video feeds with excellent contrast levels for comfortable viewing even in the brightest daylight condition.

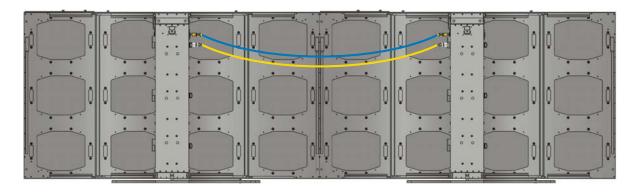


Rugged mechanical design with IP65/54 (front/rear) rating suitable for use in all indoor/outdoor fixed or mobile set-ups. Especially useful for rentals to withstand hard wear and tear.

squares &

arenas

Not just lighter and thinner – **K** COREGROUND it's simply better in every way... Hawk, the next generation of sports perimeter display



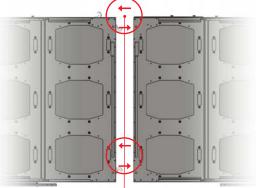
Power Interconnect Cable

Data Interconnect Cable



Curve Set-Up Our unique Hawk Twist* mechanism coupled with KWIK-Connect™ lock assembly enables easy creation of convex or concave curved walls





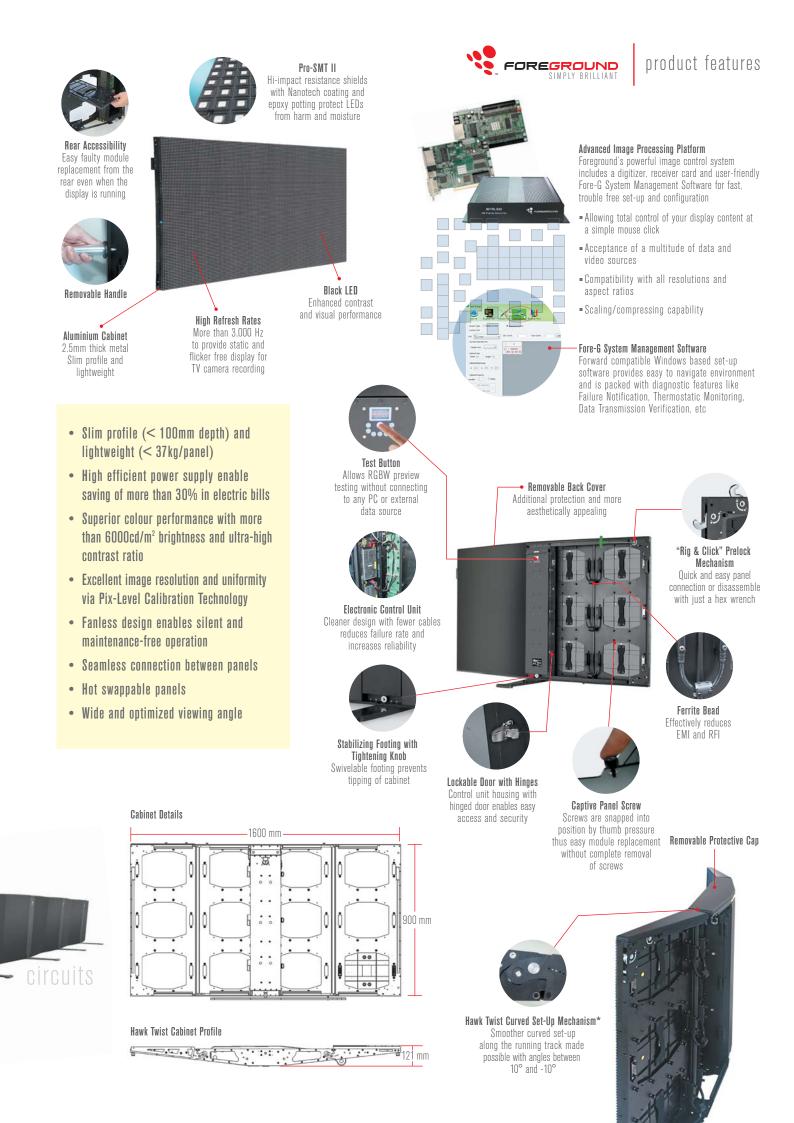
Quick Horizontal Interconnect Align the panels and slightly push them into place until they snap before tightening them with an Allen key

Safe Escape and Rescue Passage

Swivel

Easily converted into a swivel-action safe exit and easy entry for emergency services in the event of an incident (fire & panic)





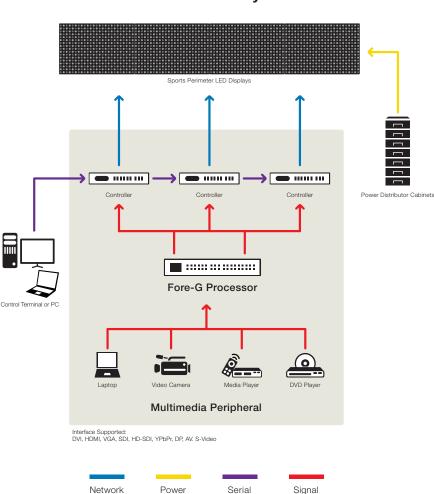
hawkLED

Material Parameters	Hawk-10	Hawk-10S	Hawk-12
Pixel Pitch (Horizontal / Vertical)	H 10 mm/V 10 mm	H 12.5 mm/V 10 mm	H 12.5 mm/V 12.5 mm
Pixels Per Panel	10000 m ²	8000 m ²	6400 m ²
LED Arrangement		1R1G1B (3 in 1)	
Driver Mode	1/4 Scan Static		
Module Size (W x H)		400 mm x 300 mm	
Module Pixel (W x H)	40 x 30 pixels	32 x 30 pixels	32 x 24 pixels
Cabinet Size (W x H)		1600 mm x 900 mm	
Cabinet Pixel (W x H)	160 x 90 pixels	128 x 90 pixels	128 x 72 pixels
Cabinet Area (m²)		1.44000	
Available Depth	80 mm – 120 mm		
Cabinet Weight	37 kg		
Cabinet Material	Aluminium		
LED Type	Water-Proof LED (3535)		
Display Colour	281 Trillion		
Grey Scale	16 bits Input		
Viewing Angle	140° (V) / 140° (H)		
Brightness	\geq 6000cd/m ²		
Contrast	3000 : 1		
Brightness Adjustment	255 Levels		
Operation Power	AC110/220V, 50-60Hz		
Power Consumption	Maximum: 900W/Cabinet / Average: 350W/Cabinet		
Control Mode	Synchronous display with control PC by DVI		
Frame Update Frequency	60 – 85Hz		
Screen Refresh Frequency	>3000Hz		
Gamma Correction	16 bits		
Support Input	Composite Video, S-Video, DVI, CATV (SDI Optional)		
Control Distance	(UTP CAT5E) Cable: 100m; Multi-mode Fiber: 500m; Single-mode Fiber: 10km		
Support VGA Mode	800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200		
Brightness Colour Correction	Dot by Dot, Module by Module, Cabinet by Cabinet		
Operating Temperature	-20° to $+70^{\circ}$ Celsius		
Operating Humidity	10 - 90% RH		
Ingress Protection (Front/Rear)	IP65 / IP54		
Screen Uniformity Protection	Pixel Calibrated, Brightness & Colour		



CE

Network Multimedia System Connections

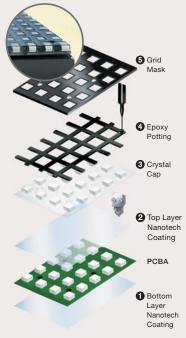


Fore-G Control System

ACCESSORIES



Unparalleled Screen Protection with Foreground's Patented **PRO SMT**[®] Technology



• Nanotech Coatings

2 Our patented high-impact resistance shielding technology begins with 2 layers of advanced nanotechnology based coating, one on each side of the PCB board. This UV-resistant coating is truly transparent and comes with good thermal endurance. It is physically stable and chemically inert making it almost completely unaffected by solvents. Other advantages of this high-tech coating process includes advantageously high volume and surface resistivities, low affinity to moisture, even and consistent buildup, thin layer (25 microns) deposition, etc.

🕄 Crystal Cap

Besides serving as a protection shield from potential damages caused by knocks or scratches, this high-impact transparent cap also effectively reduces glare and enhances the LED's contrast. Crystal Cap delivers superior viewing experience with deeper blacks and sharper text.

4 Epoxy Potting

The complete electronic assembly is filled with flame retardant compound that provides excellent electrical insulation properties, shock and vibration resistance, moisture exclusion, as well as corrosion resistance.

G Grid Mask

Final protection ends with locking a Grid Mask to hold Crystal Cap and LEDs in place as well as to yield an even surface







Complies with the essential standard/requirements of: FOREGROUND DISPLAY LIMITED

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