TRISTAR

Indoor LED Video Wall

TRI-VW-CID-TMS-0.9

Large venues | Live events & performing arts | Auditorium | planetarium | Network Operation Centers

Description

This advanced display system is engineered for professional AV applications, delivering exceptional visual quality and versatility for environments such as control rooms, broadcast studios, and video walls. Designed to integrate seamlessly with high-bandwidth sources, it offers superior color accuracy, wide-ranging color temperature adjustments, and robust input compatibility.

Features:

Comfortable Viewing Experience :

TRI-VW-CID-TMS features EBL+ Technology (Enhanced Black Level+) that delivers an impressive 12000:1 ultra-high-definition contrast ratio. It also incorporates HDR high dynamic range technology and Smooth Optical Technology, providing a superior visual experience.

Energy Saving Design :

TRI-VW-CID-TMS RGB full flip-chip and common cathode design make the maximum power consumption only 300W/SQM, which greatly reduces the use of Energy consumption.

9 Strong Protections:

TRI-VW-CID-TMS COB packaging technology brings the super strong 9 protections: Anti-Scratch, Anti-Dust, Anti-Moisture, Anti-Collision, Anti-Glare, Anti-Static, Anti-Touch Traces, Anti-Moiré, Front Waterproof.

Ultra Light & Thin Design:

TRI-VW-CID-TMS is 30% lighter and thinner than traditional cabinets, the thickness of the cabinet is only 29.8mm and the weight is only 4.3Kg.

This display system combines cutting-edge color performance, flexible input options, and a widescreen format to deliver stunning visuals tailored for demanding, high-stakes AV environments.

Aspect Ratio :

16:9, the industry-standard widescreen format, optimized for modern content delivery, ensuring compatibility with Full HD, 4K Ultra HD, and other high-resolution media for immersive viewing experiences.

Color Temperature :

Adjustable from 20K to 20,000K providing precise control to match ambient lighting conditions or creative requirements, ideal for video production and critical visualization tasks.

Display Colors :

Capable of rendering 14.41 trillion colors (minimum 19-bit per channel processing), delivering unparalleled color depth for smooth gradients, lifelike imagery, and exceptional detail in high-dynamic-range (HDR) content.

Signal Inputs through LED Controller:

- HDMI (HDCP): Supports HDMI 2.0b-compliant inputs with High-Bandwidth Digital Content Protection (HDCP), ensuring secure, high-quality transmission of 4K/60Hz content, HDR, and lossless audio formats (e.g., Dolby TrueHD).
- HDSDI: Accepts high-definition serial digital interface (HDSDI) signals via an integrated LED controller, enabling robust connectivity for broadcast-grade video feeds, supporting formats like 3G/HD-SDI for professional studio applications.

Operation:

Designed for 24/7 operation with long-lasting performance.

For the most current specification information, please visit tri-star.co.in

TRI-VW-CID-TMS-0.9

Technical specifications

Parameter	Value		
LED Type	Fully flip chip COB		
Pixel Pitch(mm)	0.9375		
Pixels Per panel	640*360		
Pixel density(pixels/sq.m)	1,137,778		
Panel Size (mm)	600x337.5x29.8		
Module Size (mm)	150x168.75		
Panel Material	Die Casting Aluminium		
Panel weight (kg/panel)	4.3±0.3kg		
Module weight (kg/panel)	0.0865		
Processing Depth(Bit)	19		
Maintenance	Full Front		
Refresh Rate(Hz)	3840		
Signal Transmission Distance	CAT5 cable: ＜100 m;Single mode fiber:＜10 km		
Viewing Angle（°）	H170°/V160°		
AC Input Voltage(V)	AC: 100V～240V（50~60Hz）		
Brightness	600 nits	800 nits	1000 nits
Contrast ratio	10000:1	12000:1	12000:1
AC Input Power Max	60W/panel 300W/㎡	72W/panel 360W/㎡	85W/panel 430W/㎡
AC Input Power Typical	42W/panel 210W/㎡	45W/panel 225W/㎡	55W/panel 240W/㎡
Storage Temperature（℃）	-40~60		
Operating Temperature (℃)	-10~45		
Storage Humidity (RH)	10%~90% non-condensing		
Operating Humidity (RH)	10%~80% non-condensing		
LED Life Time（hrs）	100000		
Panel installation	fix		
IP Rating	Front IP65(Module)		
Certification	BIS		

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