

JUNO SERIES LED SCREENS

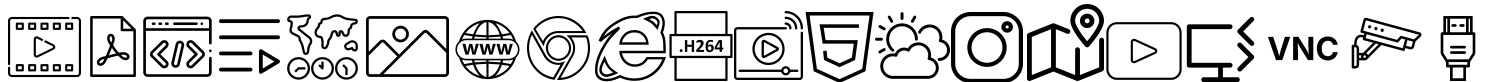
COB - LED DISPLAYS - INDOOR - FIXED INSTALLATION



From Pixel to Perfection

Ultra-Fine. Ultra-Reliable. Ultra-Seamless.

The Juno Series is a next-generation indoor LED display solution utilizing advanced **Flip-Chip-on-Board (COB)** technology. With an ultra-fine pixel pitch range from **0.7mm to 1.56mm**, it is engineered to deliver exceptional image clarity even at close viewing distances—making it the perfect choice for high-end **control rooms, conference centers, broadcast studios, corporate lobbies, and exhibition halls**.



Features

- **Pixel to Perfection:** From **0.7mm** pixel pitch,
- **True 16:9 Ratio:** With **600×337.5mm** cabinet size,
- **High Contrast & Brightness:** Achieves **10,000:1** contrast ratio
- **Wide Viewing Angle:** **160°/160°** viewing angle
- **Full Front Maintenance:** **front-access design**.
- **Ultra Protection:** With **IP65-rated** front protection,
- **Power-Efficient Design:** Up to **40% lower energy consumption** compared to SMD-based solutions.
- **Die-Cast Aluminum Cabinet:** Lightweight and robust, offering excellent thermal dissipation and sleek aesthetics.



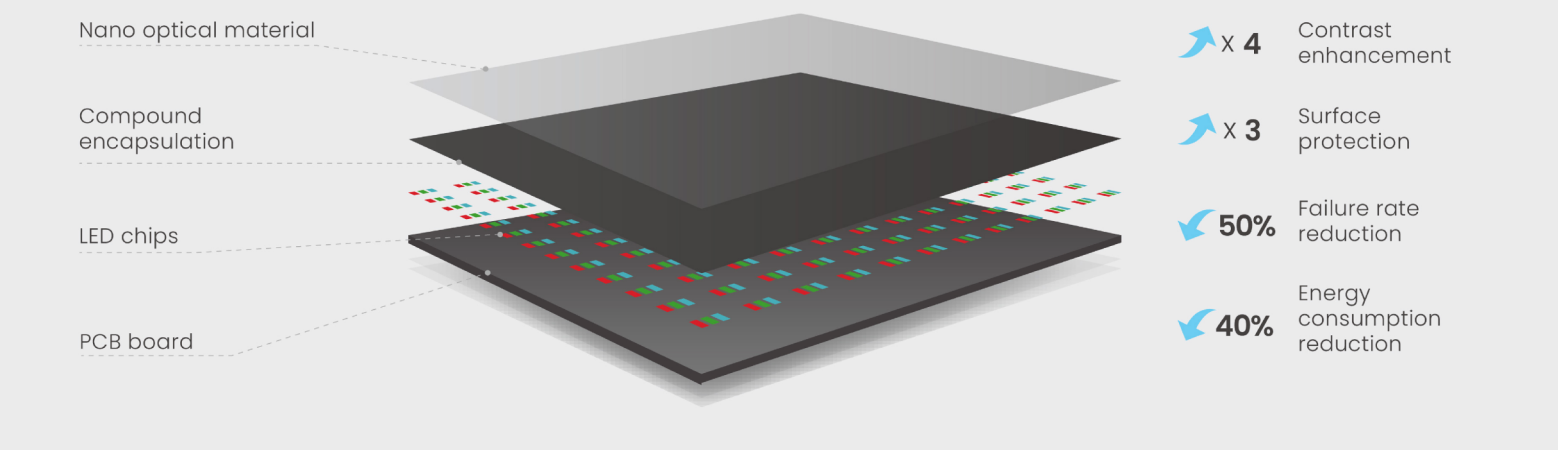
Wireless hardwired design

The module and cabinet are directly hard-wired, ensuring stable signal transmission and a clean, organized system design. This robust wiring structure provides enhanced reliability against signal loss and electromagnetic interference, making it ideal for mission-critical environments such as command and control centers. Designed for 24/7 continuous operation, this architecture guarantees long-term performance and stability, even in the most demanding applications.



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- 
 No Seam


 High Definition


 High Refresh Rate


 Rich Color


 High Reliability


 Easy Service

High Contrast for True Depth

With an impressive **10,000:1 contrast ratio**, the Juno Series delivers deep blacks and brilliant whites—ensuring your content is vivid, sharp, and full of life, even in challenging lighting conditions.



High Protection

Juno Series COB LED displays are built with durability in mind. Thanks to their **dustproof and anti-fingerprint surface**, they remain clean and clear with no visible smudges, even after frequent contact. The **waterproof and moisture-resistant coating** protects against environmental hazards, while the **high surface hardness** guards the screen against accidental knocks and minor impacts. The result is a reliable display solution with a **low rate of dead pixels**, ensuring long-term visual consistency and low maintenance needs



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Integrated 3-in-1 Design for 24/7 Mission-Critical Environments

The Juno Series features an advanced **3-in-1 module architecture**, seamlessly integrating the **hub board, power supply, and receiving card** onto a **single baseboard**. This all-in-one design dramatically simplifies internal structure, eliminates excessive cabling, and improves overall system reliability—making it the perfect choice for **24/7 mission-critical applications** such as command centers, control rooms, and high-end indoor environments.

By removing the need for separate modules, this architecture enhances **operational efficiency**, reduces **maintenance complexity**, and ensures a **cleaner internal layout**.



- **Tool-free internal wiring** for rapid installation
- **Compact and elegant design** that fits modern interiors
- **Optimized heat dissipation** for stable long-term operation
- **Reduced power loss**, higher efficiency
- **Minimal service downtime** thanks to streamlined maintenance

Applications

- ▶ Command Control Rooms, Field Operations Center
- ▶ Crisis and Emergency Centers,
- ▶ Security (CCTV) Monitoring Centers,
- ▶ SOC (Security Operation Center) and NOC (Network Operation Center) Centers,
- ▶ Infrastructure (Tunnel, Highway Monitoring Center etc) and Transportation (Railway, Air Traffic control etc) Systems,
- ▶ Enterprise Business (Meeting Rooms, Executive Offices, Conference Halls,)
- ▶ Special Visualization Areas
- ▶ Classrooms & Auditoriums Data Centers

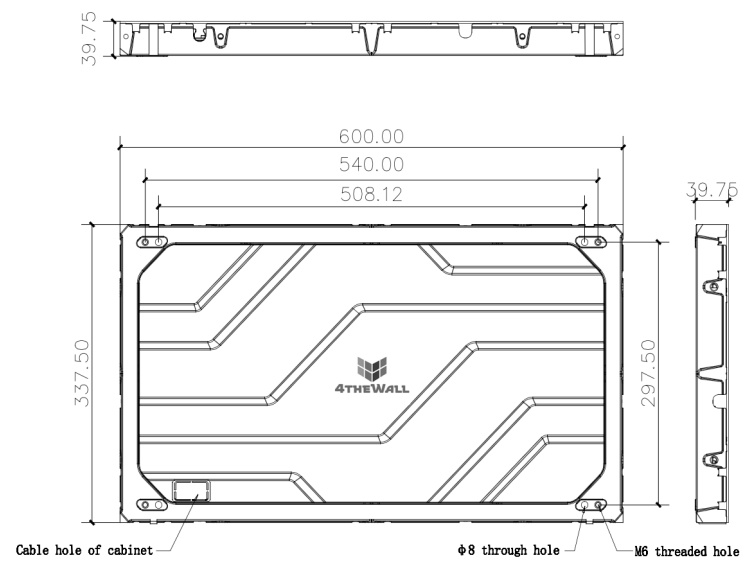
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SPECIFICATIONS

JUNO Series - Models	SC-50/7 FD 0.7 COB	SC-50/7 FD 0.9 COB	SC-50/7 FD 1.2 COB	SC-50/7 FD 1.5 COB
Pixel Pitch	0.78 mm	0.9375 mm	1.25 mm	1.5625 mm
Pixel Configuration	1R1G1B			
Led Type	Flip COB Chip			
Brightness Max	600 Nit			
Color Temperature	9300K ± 200K			
Viewing Angle (H/W)	H160°/V160°			
Module Size	(W)150 mm x (H)168.75 mm			
Module Resolution	192x216dots	160×180dots	120×135dots	96x108dots
Cabinet Size	W600×H337.5×D39.75mm			
Cabinet Resolution	768×432 dots	640×360 dots	480×270 dots	384x216 dots
Cabinet Weight	4.0 +- 0.5 Kg			
Cabinet Material	Die-cast Aluminum			
Cabinet Aspect Ratio	16:9			
IP Protection	Front IP65 - Rear IP43			
Redundant PSU	Optional			
Operating Conditions	-10°C~+45°C /10%~90%RH			
Storage Conditions	-20°C~+60°C /10%~90%RH			
Life Time	120.000 hours			
Gray Scale	14 Bit HW + 2 Bit SW - Total 16 bit			
Contrast Ratio	10.000:1			
Refresh Rate	3840 Hz			
Input Power Maximum	420 Watt Max / 140 Watt Avg	370 Watt Max / 125 Watt Avg	350 Watt Max / 120 Watt Avg	
Maintance Mode	Front Service			
Certification	CE/EMC/LVD/RoHs			
7/24 Support	YES			

DIMENSIONS (mm)



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4TheWall Ecosystem Compatibility

Seamless Integration Across All Components – Backed by 25 Years of System Integrator Experience

With over 25 years of experience as a professional system integrator, **4TheWall understands a key principle in mission-critical projects:**

Customers demand a unified solution where all electronic components – from video wall controllers to operator interfaces are built under a **single brand** and work together in **perfect harmony**.

Recognizing this, 4TheWall has conducted extensive compatibility testing to ensure that all its products operate seamlessly as part of a unified ecosystem. The result is a fully integrated platform designed for reliability, interoperability, and simplicity.

4TheWall S-Box / Led Processor



Curve PVL Series

4TheWall Video Wall Controller



Wall Series Controller

4TheWall LCD Video Wall Screen



LCD Videowall Screen

4TheWall Extenders



SC-EXT4K-FO



SC-EXT4K-120M

4TheWall Touch Screen Panels



SC-TAB9-D

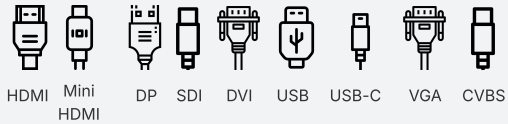
SC-TAB9-W

SC-TAB4-W

4TheWall Modules and Softwares

- CPA-PRO - Control Path Pro
- Designer PVW - Personal Video Wall
- Designer RC - Remote Control Software
- ODM - Operator Desktop Manager
- CPA-DS - Control Path Digital Signage

Visual Physical Sources



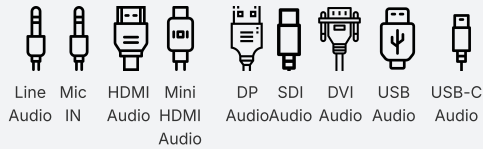
Visual TCP/IP Sources



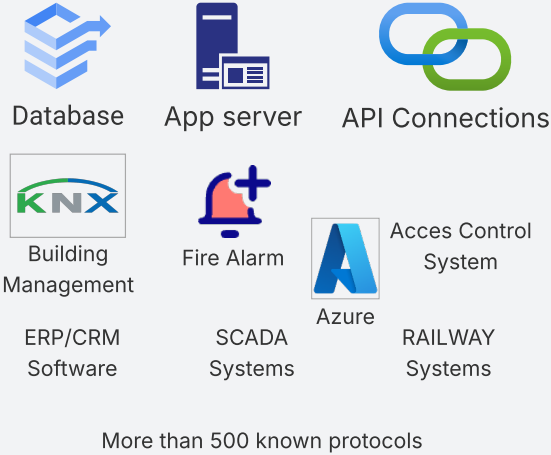
Visual Local Sources



Audio Sources

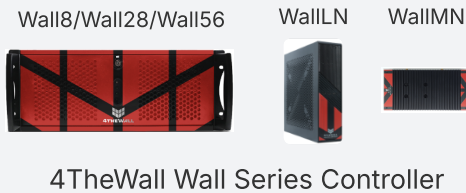


Data Sources



Control Path Modules

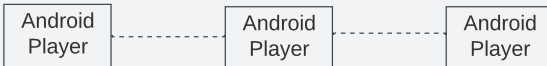
- Designer V6 - Video Wall Management Module
- Operator Management Module
- Personal Video Wall Module
- Digital Signage Module
- Dashboard Design / Panel Design Module
- Advanced API Connection Module
- Automation Module



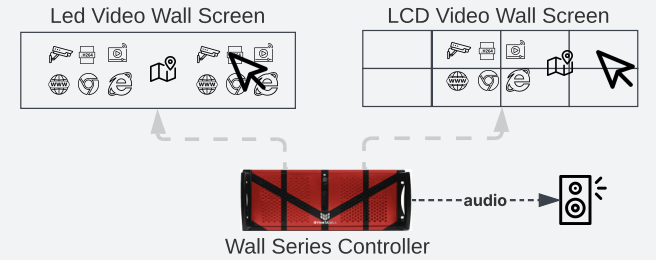
Automation & Touch Panel



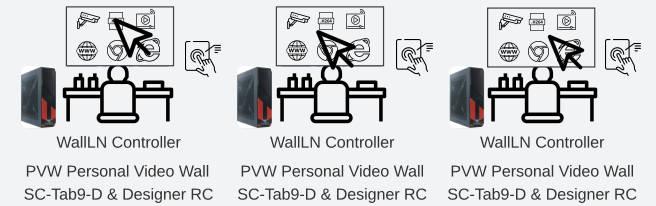
Digital Signage



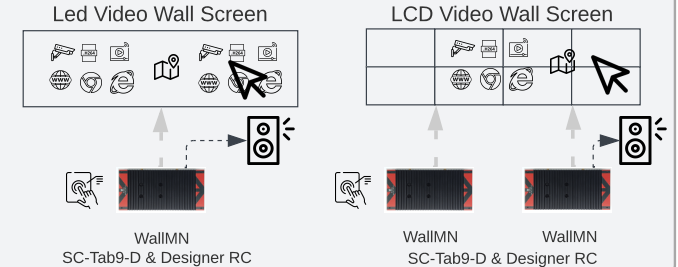
Hybrid Video Wall



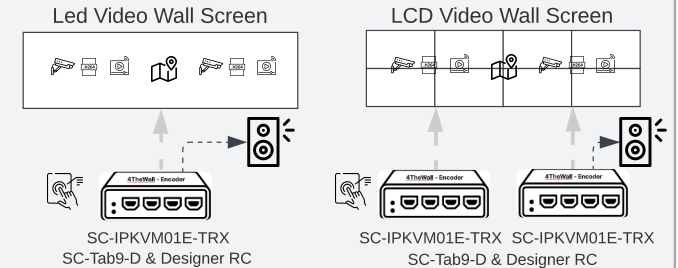
Operator Personal Video Wall



Distributed Video Wall



IPKVM Decoder Video Wall



Operator IPKVM Decoder

