



ZUPER LED

Adds Unlimited Colours...



P1.5 INDOOR Diecast Aluminium TECHNICAL SPECIFICATIONS

P1.5mm indoor with diecast aluminium cabinets- for Indoor LED Video Walls at SVU		
Criteria	Parameter	Specification
Display specifications	Pixel Pitch (mm)	1.5mm
	Pixel density	445000 pixels/Sq Mtr
	Led package	COB flip chip
	PCB thickness	1.8mm
	Driver IC	Supports 4k to 8k
	Module Size (mm)	320 x 160
	Cabinet size(mm)	640 x 640
	Cabinet material	First use Die-cast Aluminium
	Best View Distance	from ≥ 1.5 mtr
Technical specifications	Brightness	upto 1500 nits/m ²
	View Angle	160° - 160° (H-V)
	Refresh Rate	3840-7680 Hz
	Driving Mode	1/16 scan
	IP Rating front/rear	IP54 front & back
Power specifications	Maximum Power Consumption/Sq m	800 W per Sqm
	Average Power Consumption/Sq m	300 W per sqm
	Screen Power Supply	100V-220VAC/50HZ+ 10%
Environmental and durability	Running Temperature	-20°C to +60°C/RH
	Storage Temperature	-20°C to +60°C/RH
	Humidity	10-90% RH
	Lifespan	≥ 100000 hours
Front serviceable design	Design & Service access	Front access, secure locking system between cabinets and easy access to power and data connections
Data input	Data input	HDMI, DVI, DisplayPort, SDI, VGA,
	Data transfer	High speed transfer with HDR support
Supported data and features	Video formats	4k, 8k & HD content
	Content compatibility	Images, videos, live streams, and interactive content
Other specifications	Colour temarature(K)	3000-15000
	Colour uniformity	98%
	Dead lamp ratio	50000:1
	Brightness uniformity	0.00500
	Contrast ratio	8000:1
	Colour processor	16-bit
	Power factor	0.95
	Wiring	Pure copper
Certifications	BIS, CE LVD, CE EMC, CB IECCE, UL, ROHS, EPR, ISO, CMMI level 4	



Contact Us : +91 81799 10906



ZUPER LED

Adds Unlimited Colours...



LED VIDEO CONTROLLER TECHNICAL SPECIFICATIONS

Criteria	Parameter	Specification
General features	Pixel load capacity	Should be able to handle 10 to 25 million pixels
	Compatibility	Works with all pixel pitches and support inputs upto 8k
	Input ports	HDMI 2.0/2.1, DisplayPort 1.4, DVI, SDI (3G/6G/12G), VGA
	Output port	DVI-D, HDMI, or fiber optic for long-distance transmission.
	Scalability	Supports multi-screen configurations (e.g., video walls, large-format displays).
	Content interface	Ethernet, RS232, USB, Wi-Fi.
	Mounting	Rack mountable or standalone
Input/output specifications	Input Resolutions	3840x2160@60Hz (4K), 1920x1080@120Hz (Full HD), 7680x4320@30Hz (8K).
	Output Resolutions	Customizable to match LED display resolution (e.g., 3208x1283 pixels).
	Color Depth	10-bit/12-bit processing, supporting 1.07 billion to 68.7 billion colors.
	HDR Support	HDR10, HLG,
	Refresh Rate	60 hz
	Latency	<1 frame (for real-time applications like live broadcasts)
Video processing capabilities	Scaling Engine	Advanced algorithms for upscaling/downscaling content without quality loss.
	Color Calibration	Gamma correction, white balance, and 3D LUT support.
	Image Adjustments	Brightness, contrast, saturation, sharpness.
	Frame Rate Conversion	24/30/60/120Hz compatibility
	Multi-Window PIP/POP	Picture-in-Picture, Picture-outside-Picture, and split-screen modes.
Control & Synchronization	Synchronization	Genlock support for multi-processor setups.
	EDID Management	Automatic resolution and timing adjustments.
	Remote Control	Via Ethernet, RS232, or software (e.g., NovaLCT, LEDStudio).
	Firmware Updates	Over-the-air (OTA) or USB.
Redundancy & Reliability	Dual Power Supply	Hot-swappable power modules for 24/7 operation.
	Backup Inputs	Automatic failover to secondary input if the primary signal drops
	Temperature Control	Built-in fans or passive cooling for heat dissipation.
Network & Data Handling	Protocols	TCP/IP, RS232, Web Control, UDP, RTSP
	Output signal protocols	Ethernet, Optical fibre, Video Interfaces, HDCP
	Data Transmission	Fiber optic support for long-distance signal transmission (up to 500m) and oCAT6 for shorter distances
	Pixel Mapping	Precise control of individual LED modules
Power & Environmental specs	Power Supply	100-240V AC, 50/60Hz.
	Power Consumption	50-200W
	Operating Temperature	0°C to 40°C
	Storage Temperature	-20°C to 60°C
	Humidity	10%-90%



Contact Us : +91 81799 10906