



Specification:

LED Module Parameters	
Item	Specification
LED Type	SMD 1010
Scanning Method	1/64 Scan
Pixel Pitch	1.25 mm
Pixel Configuration	1R1G1B
Pixel Density	640,000 pixels/m ²
Module Resolution	256 (W) × 128 (H)
Module Size	320 mm × 160 mm
Main Performance Parameters	
Item	Specification
Minimum Viewing Distance	≥ 1.25 m
Horizontal Viewing Angle	≥ 170°
Vertical Viewing Angle	≥ 170°
Color Temperature	Adjustable from 1000K to 10000K
Screen Flatness	≤ 0.2 mm
Single Point Calibration	Brightness and chroma calibration
Brightness Uniformity	≥ 99%
White Balance Brightness	≥ 580 cd/m ²
Drive Protection & High Grayscale / High Refresh	Supported
Contrast Ratio	≥ 10,000:1
Refresh Rate	≥ 3840 Hz
Frame Rate	≥ 60 Hz
Grayscale Level	65,536 levels

Driving Mode	Constant Current
Control System	Synchronous
Control Distance	Ethernet: 100 m / Fiber: 10 km
Signal Interface	RJ45
Brightness Adjustment Range	0–100% stepless adjustment
Continuous Working Time	≥ 72 hours
Typical Lifespan	100,000 hours
Protection Rating	IP5X
Cabinet Installation	Magnetic front service
Electrical Parameters	
Item	Specification
Operating Voltage	DC 4.2–5V
Power Supply Requirements	AC 220V ±10%, 50Hz ±5%
Max Power Consumption	≤ 650 W/m ²
Average Power Consumption	≤ 228 W/m ²
Environmental Parameters	
Item	Specification
Storage Temperature Range	-20°C to +60°C
Operating Temperature Range	-20°C to +50°C
Operating Humidity Range	10%–80% RH (non-condensing)