

# XPS120 Specifications



## Key Features

- Outdoor applications
- Modules are 16x16 matrices
- Multiple communications options
- Made of only the highest quality LEDs
- Manufactured in the United States
- Direct Drive

## Specifications

Physical	Pixel Pitch	12.7mm (.50") centers
	Pixel Configuration	1 red, 1 green, 1 blue
	Pixel Density	6,200 m <sup>2</sup> / 576 ft <sup>2</sup>
	Diode Density	18,600 m <sup>2</sup> / 1,728 ft <sup>2</sup>
	Module Configuration	16x16 pixels
	Diode Type	Surface Mount Device (SMD)
	Module Dimensions (LxH)	203x203mm / 8"x 8"
	Module Weight	0.61 kg / 1.35 lbs
	Cabinet Construction	All aluminum construction

Electrical	Video Rate	60 frames per second
	Animation Rate	60 frames per second
	Video Processing	24 bit, 100% digital, no compression
	Color Processing	16 bit per color (48 bit total)
	Input Power Range	120/240 volts, 50/60 Hz
	Refresh rate	49,920hz
	Scan Rate	1:1 (Non-multiplexed)
	Calibration	Pixel to pixel - Module to module
	Calibration White Point	D65 - 6500K
Calibration Standards	REC 709, REC 2020 or Max Gamut	

Optical	Brightness	9,000 nit
	Contrast Ratio	18,000:1
	Viewing angle - Horizontal	160° (+/- 80°)
	Viewing angle - Vertical	72° (+ 16°/- 56°)
	Number of colors	281 trillion colors
	Gray Scale Intensity	65,536 levels of red, green, and blue
	Dimming Capability	8 bit (256 levels of brightness)
	Color temperature - Default	6,500K
Color temperature - Adjustable	4,500 - 9,000K	

Operational	Working Temperature	-40°C to 55°C / -40°F to 131°F
	Cooling	Quiet running vent fans
	IP Rating	Silicone Sealed IP65
	LED Lifetime (1/2 brightness)	100,000 hours
	Certification	CE, UL / ULC listed
	Service	Front Service and/or Rear Service

