



# Planar TWA1.8

## LED Video Wall

The Planar® TWA1.8 is a fine pitch LED video wall display with a 1.8 millimeter pitch. The Planar TWA1.8 delivers benefits unique to its “flat panel” design including enhanced image quality, a 16:9 form factor optimized for the most popular high resolutions, ease of installation and service, and outstanding flatness and uniformity. With a power-efficient design, the Planar TWA1.8 significantly reduces power utilization while delivering additional image optimization features.



SPECIFICATION	DETAIL
Product Name	TWA1.8
Pixel Pitch	1.875mm
LED Type	Commercial grade 3-in-1 Black SMD
Cabinet Resolution	640 x 360
LEDs per Cabinet	230,400
Pixel Density	284,444 / sq m   26,422 / sq ft
Cabinet Size (W x H x D)	1,200 x 675 x 100mm   47.24 x 26.57 x 3.94in
Cabinet Diagonal	1,377mm   54.21in
Cabinet Area	0.81 sq m   8.718 sq ft
Modules/Cabinet (W x H)	5 x 4
Module Resolution	128 x 90
LEDs per Module	11,520
Module Size	240 x 168.75mm   9.44 x 6.64in
Power Consumption, Maximum (watts)	440 / Cabinet   543 / sq m

Power Consumption, Typical (watts)	132/ Cabinet   162 / sq m
Line Voltage	100-240V AC, 50/60Hz autoranging
Cabinet Weight (per display)	30 kg   66.1 lb
Cabinet Weight (per m <sup>2</sup> )	37 kg / sq m   81.6 lbs / sq m
Brightness Max (cd / sq m)	800
Contrast Ratio	> 6,000:1
Brightness Uniformity	>97%
Color Uniformity	>97%
Color Gamut	100% NTSC
LED Refresh Rate	5100 Hz
Color Temperature, Adjustable (k)	3,200 - 9,300
Viewing Angle, Horizontal	160°
Viewing Angle, Vertical	140°
LED Surround	Planar® MicroGrid Shader™
Video Inputs	2x HDMI in, 2x HDMI out; HDCP Compliant
Video Input Resolution Maximum	1920 x 1080 @ 60Hz
Frame Rate	50, 60Hz
Control Input Type	RS232 or Ethernet
Gray Scale Processing	16-bit
Service Access	Rear
LED Lifetime (Half Brightness)	100,000 hrs
Environment	Indoor
Power Supply	Single. Dual optional
Protection	IP30, Planar® ERO-LED™ Technology (optional)
Acoustic Noise	Fanless Operation
Operating Temperature/Humidity (degrees F/C) 10-80% relative humidity, non-condensing	-10° to 40° C   14° to 104° F
Storage Temperature/Humidity (degrees F/C) 10-85% relative	-20° to 60° C   -4° to 140° F

humidity, non-condensing	
Regulatory Compliance	NRTL UL 60950-1, FCC Class A, CE EN60950-1, EN 55032 Class A and EN 55024, WEEE, CISPR 32/2015
Warranty	3 years; 24-hour customer service
HDMI®	Planar utilizes HDMI® standards in this product. The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

For more information, please visit [www.planar.com](http://www.planar.com)

*Specifications are subject to change without notice.*

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