



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 ²)	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

Specifications are subject to change without notice.
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