DHI-LS550UEH-UF

Dahua 55 inch 0.88mm LCD Display Wall Unit (LCD DISPLAY)

Series Overview

The Ultra Series 55-inch FHD LCD Display Unit is designed with a 0.88 mm ultra-thin bezel, creating a nearly seamless display. It delivers DP and HDMI input to ensure that your content is presented in vibrant colors with great clarity on the video wall. It is widely used in command centers, exhibition halls, shopping malls, conference rooms and other indoor scenes where video walls are utilized.

Technical Specification

Display

Model	DHI-LS550UEH-UF
Screen Size	55 inch
Viewing Size	1210.48 (H) × 681.28 (V) mm
Lifespan	50,000 hrs
Backlight	DLED
Aspect Ratio	16:9
Color Temperature	10000 K ± 1000 K
Brightness	700 cd/m²
Static Contrast Ratio	1200:1
Dynamic Contrast Ratio	45,000:1
H-Scanning Frequency	52.8 kHz–70 kHz
V-Scanning Frequency	47 Hz–63 Hz
Maximum Pixel Frequency	75 MHz
Pixel Pitch	0.21 mm × 0.63 mm (0.01" × 0.02")
Resolution	1920 (H) × 1080 (V)
Refresh Rate	60 Hz

- Industrial level IPS LCD panel, suitable for continuous 24h/7 operation.
- Ultra-narrow 0.88mm bezel-to-bezel design.
- Anti-glare panel, vivid and memorable image quality.
- Factory calibration technology for color uniformity.
- Built-in 3D noise reduction system and picture splicing function.
- Abundant interfaces HDMI, DVI, VGA, DP (UHD daisy chain), RS-232, Audio.
- Up to 4K@60 Hz signal input by DP IN or HDMI 1 interface, up to 4K@30 Hz signal output by DP OUT interface.
- Infrared, RS-232 dual mode, supporting remote control by computer.
- Professional thermal design to extend device lifespan.
- Built-in power, low energy consumption, ultra-quiet.
- Modular structure design, multiple installation modes.
- Widely used in surveillance center, command center, meeting room, commercial display scenes, etc.

Response Time	8 ms
Display Color	8 Bit
Color Gamut	72% NTSC (typ.)
Viewing Angle	178° (H) / 178° (V)
LCD Technology	ADS
Surface Treatment	Haze 25%, 3H

Device Ports

Input Port	1 × HDMI 2.0 (HDMI 1: 3840 × 2160@60 Hz, HDCP 1.4), 1 × HDMI 2.0 (HDMI 2: 1920 × 1080@60 Hz, HDCP 1.4), 1 × DP 1.4 (3840 × 2160@60 Hz), 1 × VGA (1920 × 1080@60 Hz), 1 × DVI (3840 × 2160@30 Hz), 1 × RS-232 in, 1 × IR, 1 × Audio in
Output Port	1 × RS-232 out, 1 × DP out (3840 × 2160@30 Hz), 1 × Audio out

General

Power Supply	100–240 VAC (±10%), 50/60 Hz
Power Consumption	212.5 W (basic), 214 W (typ.), 215.1 W (max)

Standby Power Consumption	<0.5 W
Control Mode	Supports being controlled through the RS-232 serial port and infrared remote control.
Operating Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Humidity	10%–80% (RH)
Storage Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Storage Humidity	5%–90% (RH)
Operation Hours	7 × 24 hrs
Product Dimensions	1,210.5 mm × 681.3 mm × 116.7 mm (47.66" × 26.82" × 4.59") (L × H × W)
Packaging Dimensions	1,360 mm × 945 mm × 280 mm (53.54" × 37.20" × 11.02") (L × H × W)
Bezel Width	0.48 mm (U/L), 0.4 mm (R/B)
Net Weight	23.1 kg (50.93 lb)
Gross Weight	34.1 kg (75.18 lb)
Wall Mount VESA	600 mm × 400 mm (23.62" × 15.75")
Accessory	1 × Power Cord (European Standard) 1 × Network Cable 1 × DP Cable 1 × Legal and Regulatory Information 1 × User's Manual 2 × Dry Cell 1 × ERP Energy Label 1 × QR Code 1 × Product Operating Instruction 1 × Remote Control
Optional Accessory	Wall mount

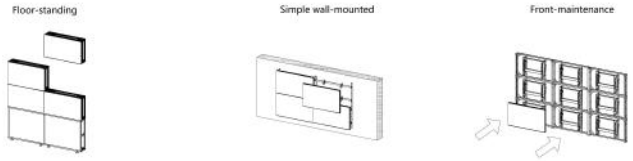
Certification

Certifications	CE EMC, CE LVD, CE ERP

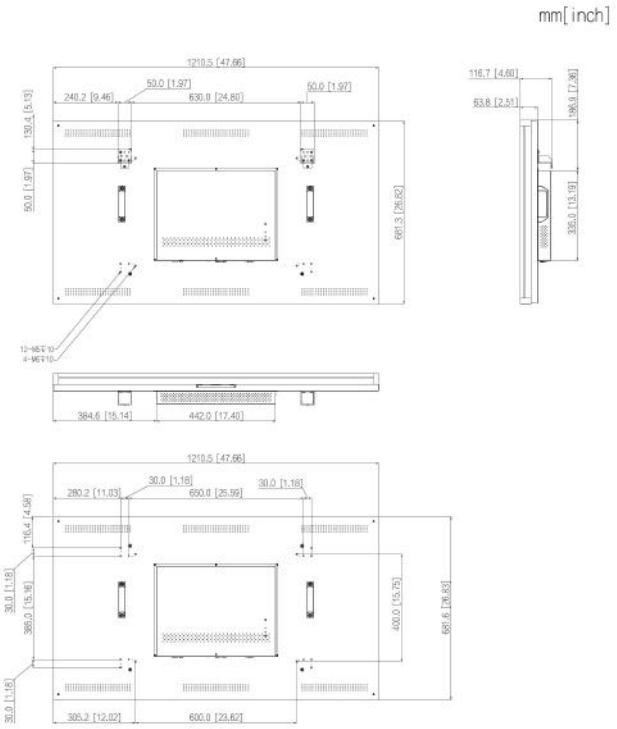
Ordering Information

Type	Model	Description
LCD Display Wall Unit (LCD DISPLAY)	DHI-LS550UEH-UF	Dahua 55 inch 0.88mm LCD Display Wall Unit (LCD DISPLAY)

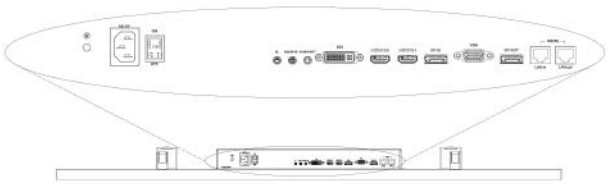
Installation



Dimensions (mm[inch])



Panels



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