Optoma

UHD20845

Optimised 4K UHD LED display – 8 x 4.5m (361" diagonal)

- **High calibre, high-resolution indoor 4K UHD LED display**

- **Easy installation and maintenance – surface mount and front access**

- **Ultra-thin panel depth - discreet, space-saving design**

- **Best in class processing and switching – HQUltra technology**

Optoma is the one-stop solution provider for projection and LED displays with its range of 4K UHD, Full HD and custom LED displays.

The ultra-thin, 16:9 native aspect ratio 4K UHD LED displays blend discretely into any corporate, higher education, hospitality and digital signage environment.

Easy to install, operate and maintain, they are designed for ultimate reliability and superior image quality.

The LED displays can be mounted directly onto a suitable wall without a mounting frame. Front access gives fast, low-cost installation and easy maintenance.

Specifications

Screen

Screen resolution	UHD (3840x2160)
Screen size (diagonal)	180"
Screen size	8000 x 4500
Minimum viewing distance	2m
Brightness (before calibration)	800 nits
Brightness (after calibration)	800 nits
Contrast	4000:1
Dimensions (W x D x H) mm	8000 x 54 x 4500

Screen processing

Scaler-switcher	LS200T
Sender	CTRL4K

LEDs

Pixel pitch (H x V)	2.083mm
LEDs per pixel	1R1G1B
Red wavelength (dominant)	620nm
Green wavelength (dominant)	520nm
Blue wavelength (dominant)	465nm

Pixels

Pixel configuration	SMD 3-1
LED face colour	Black
LED size	SMD1010
Pixel resolution (width)	240 pixels/module
Pixel resolution (height)	135 pixels/module
Pixels per area	230,400 pixels/m2

Module

Active module width	8,000mm
Active module height	4,500mm
Standard active module area	0.1406m2
Viewing angle - horizontal	>160°
Viewing angle - vertical	>160°
Ingress protection (front)	IP43
Ingress protection (back)	IP21
LED fixings	Front access
Storage temperature range	-10 - +50°C
Operating conditions	10 - 90 non-condensing
Operating temperature (min)	-10°C
Operating temperature (max)	50°C

Colour

Greyscale processing depth	16 bits
Number of colours	281 (trillions)
Refresh rate	>3840 Hz

Brightness

Brightness (before calibration)	800nits
Brightness (after calibration)	800nits
Contrast ratio	4,000
Brightness control levels	256

Power

Input power (max)	104watts per panel
Power supply	110~240

Other

Mechanical alignment adjustment	x/y/z (x/y/z planes)
Mitering	-90°
Mounting frame	Optional

Connectivity

Connections	**Inputs** 2 x HDMI UHD 4K, 1 x HDMI FHD 1080P, 1 x DVI/HDMI, 1 x HDBaseT 4K, 1 x DisplayPort 4K, 1 x Component input via DVI-U, 1 x Composite video, 2 x 3G-SDI, 1 x VGA, 1 x RJ45 streaming, 2 x Microphone, 6 x Stereo analogue audio
	Outputs 1 x DVI/HDMI, 1 x HDMI UHD 4K, 1 x HDBaseT 4K, 1 x Speaker
	Control 1 x RS232, 1 x RJ45