FTTEGO / TECHNICAL DATASHEET

OD61042

Outdoor LED display • P10.42 • 1,000 × 1,000 mm aluminium panel

FTTEGO



P10.42	10,000	3,840 Hz	IP66
PIXEL PITCH	MAX BRIGHTNESS OPTION, NITS	REFRESH RATE	INGRESS PROTECTION

PRODUCT OVERVIEW

The OD61042 is a P10.42 outdoor LED display built on a thin 1,000 × 1,000 × 100 mm aluminium panel. SMD2727 LEDs, a 3,840 Hz refresh rate and IP66 protection support clear, reliable content in outdoor locations, while front and rear service access keeps installation and maintenance simple. Selectable brightness versions: 6,000–6,500 nits, 9,000–10,000 nits.

KEY FEATURES

Front and rear service
LED modules can be removed from the front or rear for installation and maintenance.

Detachable power box
Receiving card, hub card and power supply are integrated in one box, removable from the front and rear.

Thin aluminium panel
A 1,000 × 1,000 mm panel only 100 mm deep, weighing 24 kg.

Hard-connection hub
Modules connect to the panel through a direct connector for stable power and signal, without internal module cabling.

Curved and corner options
Pairs with a 562.5 × 1,000 mm curved cabinet for seamless 90° L-shaped 3D displays; 45° cut-edge panels form right-angle corners.

IP66 sealed design
Sealed power box and modules for waterproof, dust-resistant and corrosion-resistant outdoor operation.

TYPICAL APPLICATIONS

Outdoor advertising · Building facades · Retail exteriors · Stadiums and event venues · Transport hubs · Naked-eye 3D corner displays

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Technical specifications

01 / LED, MODULE & PANEL

Pixel pitch	10.42 mm (P10.42)
LED type	SMD2727
Pixel density	9,216 pixels/m²
Module size	500 × 250 mm
Module resolution	48 × 24 pixels
Modules per panel	8 (2 × 4)
Driving mode	1/2 scan
Panel size	1,000 × 1,000 × 100 mm
Panel resolution	96 × 96 pixels
Panel weight	24 kg
Panel material	Aluminium
Maintenance	Front and rear

02 / OPTICAL PERFORMANCE

Brightness	6,000–6,500 / 9,000–10,000 nits
Viewing angle	160° / 140°
Minimum viewing distance	10.4 m
Contrast ratio	10,000:1
Frame frequency	50 / 60 Hz
Grey level	14–16 bit
Refresh rate	3,840 Hz

03 / ELECTRICAL & ENVIRONMENT

Max / average power	750 W / 200 W
Input power	AC 90–264 V
Ingress protection	IP66
Working temperature / humidity	−30 to +60 °C / 10–85% RH
Storage temperature / humidity	−30 to +60 °C / 10–85% RH

Brightness versions, controller and accessory configuration are confirmed per project when requesting a quotation.