

Tender Specifications



GAMMAPIX 29B

Indoor rental 2,9 mm LED screen,
50x50cm tile with full black LEDs

1. General

1. The GammaPix 48T is a rental LED screen for indoor use with a 2,9 mm pixel pitch, designed to meet requirements for corporate, studio, and install application.
2. The LED screen shall be CE, UKCA, cURus compliant.
3. The LED screen shall be equipped with latest generation of NOVASTAR A5s Receiver card with refresh rate up to 3.840 Hz.
4. The LED screen shall feature with a mechanical design of the tiles conceived to allow fast single person installation with safety and handling features such automatic edge and corner protection.
5. The LED screen shall be conceived for a fast maintenance for LED modules and PSU unit, allowing the replacement without tools.
6. The LED screen shall be designed for curved, concave and convex $+10^\circ / - 10^\circ$ through high precision curving plates.
7. The LED screen should feature with a cabinet built in aluminium, for a lightweight with 5,9 kg per panel and 23,6 kg per sqm.

2. Video

1. The LED screen shall feature with a Driver Chip type ICN 2153.
2. The LED screen shall feature with LED source from Nationstar SMD 1515 full black.
3. The LED screen shall feature with a pixel pitch of 2,97 mm.
 - Panel resolution: 168x168 pixels.
 - Module resolution: 84x84 pixels.
4. The LED screen shall be with a luminous flux of 650 nit.
 - Contrast: 3.000:1.
 - Grayscale: 14 bit.
 - Refresh rate: ≥ 3.840 Hz.
5. The LED screen shall feature 1/21 scan, constant current Drive Mode.
6. The LED screen shall feature 120° vertical viewing, 140° horizontal viewing.
 - LED density: 112.896 LED/sqm.
 - Dead Pixel Ratio: $<0,002$.
 - Average LED life span: 100.000 Hrs.

3. Electrical

1. The LED screen shall feature IP65 Seetronic IN/OUT PowerCON.
2. The LED screen shall feature AC 110/230 V 50/60 Hz power input.
 - Max power consumption (panel): 120W.
 - Avg power consumption (panel): 40W.
 - Max power consumption (sqm): 480W.
 - Avg power consumption (sqm): 160W.
 - Standby power consumption (panel): 35W.
 - Max rated current/panel: 220 Vac / 0,55 A.

4. Environmental

1. The LED screen shall have an IP30 rate (front and rear).
2. The LED screen shall be capable of operating in ambient temperature range of -10°C (14°F) to +45°C (113°F).
3. The LED screen shall be capable of operating in ambient humidity range of 10~80 RH %.
4. The LED screen shall feature waterproof IN/OUT Seetronic Rj45 connection.
5. The LED screen shall feature with cooling system fan free.

5. Control

1. The LED screen shall feature with A5S-PLUS receiving card.
2. The LED screen shall feature with Novastar control protocol.

6. Mechanics

1. The LED screen shall be feature with magnetic LED modules.

2. The LED screen shall feature with curve configurations block, corner protection, auto-lock mechanics.
 - Vertical hanging system: built in aliscraf clamp support.
 - Curvability: -10° convex and $+10^{\circ}$ concave accessories system.
 - Body: die-cast aluminium housing in black colour.
 - Module size (WxH): 250x250 mm.
 - Panel size (WxHxD): 500x500x63 mm.
 - Panel weight: 5,9 kg.
 - Weight per square meter: 23,6 kg.
 - Hanging Panel Quantities \leq : 20 for hanging and 12 for stacking.

7. Accessories

The following accessories shall be available as an optional:

- Flight case for 10 units.
- Fly bar / ground bar system 1 column.
- Fly bar / ground bar system 2 column.
- 2 in 1 back support system.
- 3 in 1 back support system.
- 4 in 1 back support system.
- Metal Joint to connect 4 units.
- Back plate for ground system fixing.
- Cabinet curve metal plate.
- Flight case for rigging/ground-stack structure 100 cm.
- Flight case for rigging/ground-stack structure 200 cm.
- 140 cm power cable, assembled with PowerConn IN/OUT
- 10 m power cable, assembled with PowerConn IN/OUT
- 140 cm data cable assembled with rj45 connectors.
- 10 m data cable assembled with rj45 connectors.

Approved device shall be the PROLIGHTS LED Screen SIGMAPIX29B , no alternates or equals.