Tender Specifications
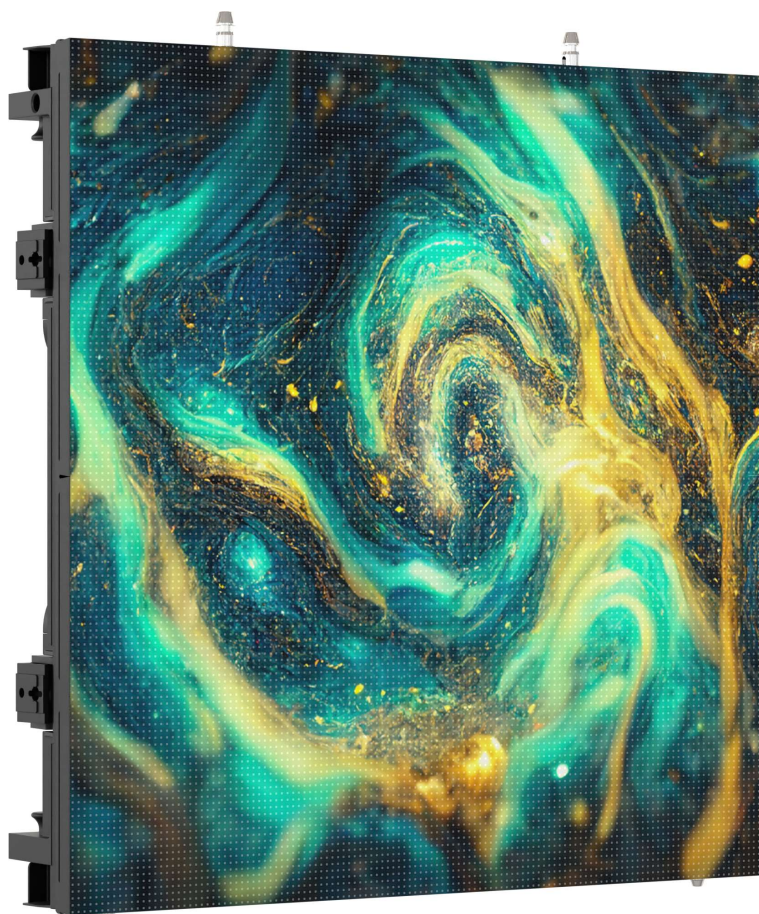

SIGMAPIX 39T

Four sides 45° cut and Special S outdoor
rental 3,9 mm LED screen,
50x50 or 50x100cm tile
Black or White LEDs

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1. General

1. The SigmaPix 39T is a rental LED screen for outdoor use with a 3,9 mm pixel pitch, designed to meet requirements for corporate, studio, and install application.
2. The LED screen shall be available in white or black LEDs. Black LEDs grant a high brightness increasing contrast an colour gamut.
3. The LED screen shall feature in two size version; 50x50 cm and 50x100 cm tiles.
4. The LED screen shall be CE, UKCA, cURus compliant.
5. The LED screen shall be equipped with latest generation of NOVASTAR A8s Receiver card with refresh rate up tp 3.840 Hz.
6. 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.
7. The LED screen shall be conceived for a fast maintenance for LED modules and PSU unit, allowing the replacement witout tools.
8. The LED screen shall be designed for curved, concave and convex +10° / - 10° through high precision curving plates.
9. The LED screen shall be designed to reach a curve angle of +40° and -40° within one single cabinet.
10. The LED screen should feature with a cabinet built in aluminium, for a lightweight with 8,6 kg per panel and 34,4 kg per sqm (50x50cm tile version), and 14,6 kg per panel and 29,2 kg per sqm (50x100cm tile version).

2. Video

1. The LED screen shall feature with a Driver Chip type MBI 5253.
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 3,9 mm.

   - Panel resolution: 128x128 pixels.

   - Module resolution: 64x64 pixels.
4. The LED screen shall be with a luminous flux of 3500 nit.

   - Contrast: 6.000:1.

   - Grayscale: 14 bit.

   - Refresch rate: ≥ 3.840 Hz.

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5. The LED screen shall feature 1/16 scan, constant current Drive Mode.
6. The LED screen shall feature 120° vertical viewing, 140° horizontal viewing.

   - LED density: 65.536 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): 220W.

   - Avg power consumption (panel): 88W.

   - Max power consuption (sqm): 880W.

   - Avg power consumpiotn (sqm): 352W.

   - Standby power consuption (panel): 50W.

   - Max rated current/panel: 220 Vac / 1 A.

4. Environmental

1. The LED screen shall have an IP65 rate (front and rear).
2. The LED screen shall be capable of operating in ambient temperature range of -20°C (-4°F) to +50°C (122°F).
3. The LED screen shall be capable of operating in ambient humidity range of 10~90 RH %.
4. The LED screen shal 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 A8S-N receiving card.
2. The LED screen shall feature with Novastar control protocol.

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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 sytem: built in aliscaf clamp support.

   - Curvability: -10° convex and +10° concave accessorires system.

   - Body: die-cast aluminium housing in black colour.

   - Module size (WxH): 250x250 mm.

   - Panel size (WxHxD): 500x500x70.1 mm.

   - Panel weight: 8,6 kg.

   - Weight per square meter: 34,4 kg.

   - Hanging Panel Quatities ≤: 20 for hanging and 12 for stacking.

7. Accessories

The following accessories shall be available as an optional:

- Flight case for 8 units.

- Double side 45° cut fly bar / ground bar.

- Ground system back horizontal support.

- 2 in 1 back support system.

- 3 in 1 back support system.

- Back plate for ground system fixing.

- 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 SIGMAPIX39T , no alternates or equals.

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