



LED Screen — Technical Data Sheet

Quick Facts (at a glance)

- **Pixel Pitch:** 3.9 mm
 - **Total Inventory:** 44 m²
 - **Brightness:** 4,500 nits
 - **Outdoor Rating:** IP65
 - **Typical Power:** 200 W/m² (≈ 8.8 kW at 44 m²)
 - **Processing:** 3 × NovaStar VX1000 Pro
 - **Rigging:** 4 × 1-ton chain hoists + flying bars
 - **Ground Support:** up to 6.0 m (W) × 3.5 m (H)
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General Information

Owner: QSTOCK OY

Typical Use: Outdoor / Touring / Event production

Physical Specifications

- **Panel Types:** 500 × 500 mm and 500 × 1000 mm
- **Panel Quantities:** 24 × 500 × 500 mm panels, 76 × 500 × 1000 mm panels
- **Total Area:** 44 m²
- **Panel Weights:** 7 kg (500 × 500 mm), 14 kg (500 × 1000 mm)
- **Total Screen Weight:** 1,232kg (panels only)
- **Pixel Pitch:** 3.9 mm
- **Pixel Density:** 65,536 pixels/m²

- **Resolution (Total):** $\approx 2,883,584$ pixels (based on total area)
 - **Aspect Ratio:** Configurable
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Optical Performance

- **LED Type:** Outdoor SMD 1921
 - **Brightness (nits):** 4,500 nits
 - **Refresh Rate:** 7680Hz
 - **Viewing Angle (H / V):** 140°
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Electrical & Power

- **Input Voltage:** 100–240 V AC
- **Typical Power Consumption:** 200 W/m²
- **Typical Total Power @ 44 m²:** ≈ 8.8 kW
- **Power Connectors:** AC inlet (panel) Powercon

Power planning notes (typical):

- 16 A / 230 V circuit ≈ 3.7 kW available → plan distribution accordingly.
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Control & Processing

- **Controller / Processor:** NovaStar VX1000 Pro
 - **Quantity:** 3 units
 - **Supported Inputs:** HDMI / DVI / SDI / DP
 - **Scaling & Mapping:** Supported via processor
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Mechanical & Installation

- **Mounting System:** Flying / Ground stack
 - **Rigging Equipment:** 4 × 1-ton chain hoists with flying bars
 - **Ground Support System:** Up to 6.0 m (W) × 3.5 m (H) ground-stack configuration
 - **Service Access:** Back
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Common Build Examples (for planning)

Panel counts assume 0.5 m wide columns. Use as planning guides; final builds depend on venue limits, support capacity, and content aspect ratio.

Example A — 6.0 m × 3.5 m (Ground support maximum)

- **Area:** 21.0 m²
- **Panels:** $36 \times (500 \times 1000) + 12 \times (500 \times 500) = 48$ panels
- **Approx. Panel Weight:** 885 kg
- **Typical Power:** ≈ 4.2 kW

Example B — 8.0 m × 4.0 m

- **Area:** 32.0 m²
- **Panels:** $64 \times (500 \times 1000) = 64$ panels
- **Approx. Panel Weight:** 896 kg
- **Typical Power:** ≈ 6.4 kW

Example C — 9.0 m × 4.5 m

- **Area:** 40.5 m²
- **Panels:** $72 \times (500 \times 1000) + 18 \times (500 \times 500) = 90$ panels
- **Approx. Panel Weight:** 1,162 kg
- **Typical Power:** ≈ 8.1 kW

Environmental

- **Ingress Protection (IP):** IP65 (outdoor rated)
- **Operating Temperature:** -20°C – 50°C
- **Operating Humidity:** 10%-90%

Transport & Handling

- **Flight Case Type:** Rolling flight cases
- **Panels per Case:** 6
- **Total Transport Weight (incl. cases):** Depending on project

Included Accessories

- Power cables
 - Data cables
 - Rigging hardware
 - Flying bars
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Notes

- **Configurable screen size:** final resolution and aspect ratio depend on the build.
- **Total resolution value** shown above is calculated from total area × pixel density.
- **Power figures** are typical averages for technical planning.

--- *This technical data sheet is intended for event production, rental, and technical planning purposes.*

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