



Litemax Infrastructure Solutions

Litemax Technology Advantages

In the infrastructure sector — covering roads, bridges, tunnels, airports, ports, and power facilities — displays and computing systems must operate reliably under harsh and variable environments.

Litemax provides complete solutions featuring high brightness, IP-rated durability, wide temperature operation, and embedded computing integration, ensuring stable and visible performance for mission-critical applications.

Litemax Solutions and Application Scenarios

• Smart Traffic and Road Information Display

Applications:

Traffic control centers, tunnel entrances, road construction alerts, and vehicle flow signage.

Key Needs:

High brightness, anti-reflective surface, 24/7 reliability, remote management.

Embedded Box System with AMD[®] Ryzen™

IBOX-V1K0

AMD[®] Ryzen™ Embedded V1000 APU onboard

High Performance "Zen" Core CPU + "VEGA" Graphics GPU

Four 4K@60 monitors support

Multi-Display: 4 x HDMI

2 x LAN, 2 x USB 3.1

1 x SATA III, 1 x Mini-PCIe(w/uSIM), 1 x M.2 M-key 2260(SSD)

DC-in 12



• Bridge, Water, and Power Facility Monitoring

Applications:

Structural health monitoring, water pressure display, and power station system visualization.

Key Needs:

Wide temperature range, high reliability, sensor integration, edge computing.

21.5" IP65 P-CAP Panel PC IPPS-2152

21.5" LCD, 1920 x 1080 pixel
10 points P-CAP touch screen
Front IP 65
True Flat Design
Fanless design



• Airports, Ports, and Transit Information Systems

Applications:

Passenger information boards, flight/train schedules, and emergency alerts.

Key Needs:

Large-size, high-brightness display, network connectivity, and durability.

43" TFT LCD, 1800nits LED Backlight, 1920x1080 4309-B

43" sunlight readable, high brightness (1,800 nits)
Resolutions: 1920x1080
Wide viewing angle of 178° (H), 178° (V)
Contrast ratio (1300 :1)
Low power consumption
LCD Blacking Defect Free(Hi-Tni 110 C)
BL MTBF: 100,000 hours



• Construction Site Monitoring and Safety Systems

Applications:

On-site visual control panels, equipment operation monitoring, safety alerts.

Key Needs:

Dustproof, waterproof, vibration-resistant, touch and compute integration.

19" IP65 P-CAP Panel PC IPPS-1968

19" LCD, 1280 x 1024 pixel

10 points P-CAP touch screen

Front IP 65

True Flat Design

Fanless design



• Public Infrastructure Information and Wayfinding Displays

Applications:

Subway, train stations, or government project sites for public announcements and directions.

Key Needs:

Continuous operation, high visibility, anti-glare design.

85" TFT LCD, 2000nits, LED Backlight, UHD(3840x2160) 8500-I

5" sunlight readable, high brightness (2,000 nits)

Resolutions: 3840 x 2160

Wide viewing angle of 178° (H), 178° (V)

Long lasting 24/7 operations

Low power consumption

BL MTBF: 100,000 hours

