

LumiOS®

HDT21
series



SELF-CONTAINED OUTDOOR MOBILE LED VIDEO DISPLAY SYSTEM



SAFE & RELIABLE MOBILE CHASSIS



QUICK & SIMPLE SET-UP AND REMOVAL



BRIGHT HIGH-CONTRAST DISPLAY OPTIONS



HIGH RESOLUTION FOR CLOSE VIEWING

The new **HD Trailer** series are self-contained mobile video systems with folding LED displays for outdoor applications. Featuring a bright, high-contrast, color rich display, the LED trailer can be towed anywhere and once powered a single operator can set-up the display and have content running within minutes. Application opportunities are many such as outdoor promotion, advertising, videos content for sporting events, and video content for other live entertainment events.



21m² Outdoor Display

Equipped with a large 6m x 3.5m (approx 20ft x 11.5ft) full-color high-definition 3.9mm LED display and a fully integrated media control system, it has all the functions of a standard LED screen. It can display clearly even under direct sunlight conditions, and is adaptable to weather and climate conditions. It is highly flexible for use in various outdoor environments.

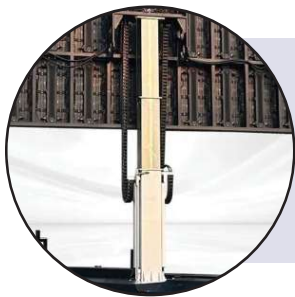
Compact Dimensions

Mobile and convenient - the unfolded size the LED trailer is 7980×2100×2618mm, or roughly 26ft x 7ft x 8.6ft (LxWxH).



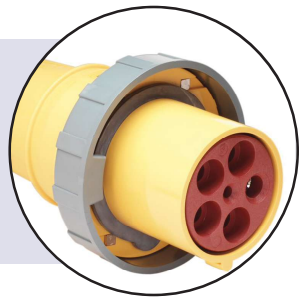
Robust Construction

The heavy-duty mast has a 6600 lb (3000kg) load-bearing capacity and is strong enough to sustain Gale force winds (level 8) during normal operation.



Generator Ready

The trailer can be connected to wired building infrastructure or suitable mobile generator platforms. Power is connected using industry standard cables.



Hydraulic Control

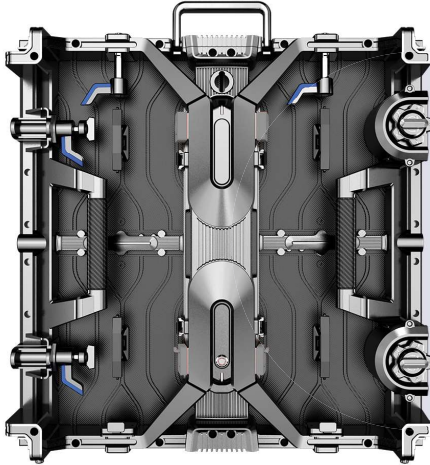
A single operator can raise, lower, rotate and fold the screen using hydraulic control. The screen can be raised 6.5 feet (2m) and rotated 360 degrees in either direction.





Remote Control

Choice of two operating modes; manual hydraulic, and wireless remote control. Both modes can easily and conveniently deploy, adjust, and fold the screen.



LumiOS Outdoor Panels

HDT21 is equipped with our best RY Series outdoor panels. Featuring ultra-lightweight cast magnesium alloy cabinets, and options like high-contrast LEDs, high grayscale, and high 7680Hz data refresh rates. 3.9mm pitch is standard, however, the HDT21 display can be customized to meet the exacting needs for any application.

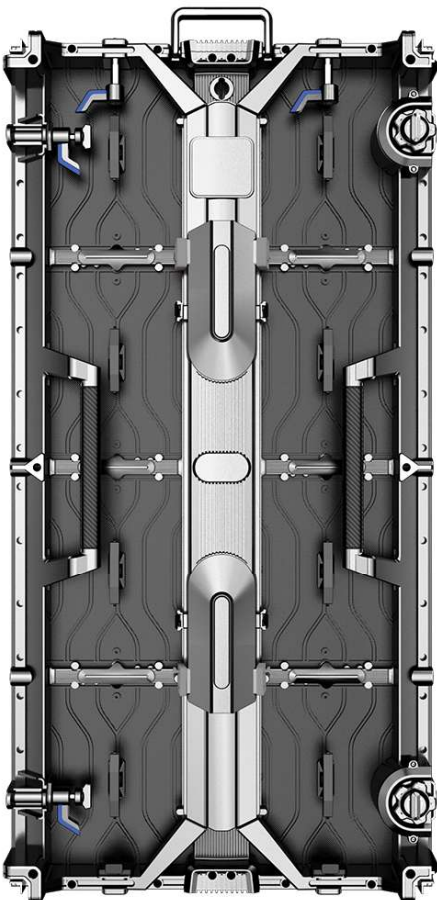


High Contrast

RY panels can be equipped with black face LEDs that enhance the image by absorbing ambient light to provide superior contrast, deeper black levels, and more vibrant colours.

Display Specifications

MODEL	RY39
Pixel Pitch (mm)	3.9 mm
LED Type	SMD1921 Standard / SMD1820 Black
Cabinet Size (mm)	500 x 500 or 1000 x 500
Cabinet Resolution	128 x128 px or 256x128 px
Brightness (nits)	≥4500 Standard / ≥3500 Black
Maintenance	Rear, and Front optional
Cabinet Weight	≤6.5kg 500x500 / ≤11.5kg 1000 x 500
Cabinet Material	Cast Magnesium Alloy
Viewing Angle	H 140° / V 120°
Environment	Operating Temperature -20°C ~ 55°C
Input Power	110 or 220VAC [+/- 10%], 47-63 Hz
Power Consumption	Max. 680W/m ² Avg. 220W/m ²
Gray Scale	14-Bit to 16-Bit+
Frame Refresh	50/60 Hz
Data Refresh Rate	≥3840 Hz or option to ≥7680 Hz
LED Life Time	≥ 100,000 Hours
Certificate	CE, FCC



TRAILER SPECIFICATIONS

Gross Weight	3,000Kg (6,600 Lbs)	Max Speed	120 km/h
Chassis	German-Made AIKO, 3500kb Load Bearing	Travel Dimensions - Metric (L x W x H)	7680 x 2100 x 2930 mm
Breaking System	Electric Brake or Surge-Activated Hydraulic Brakes	Travel Dimensions - Imperial (L x W x H)	25.20 x 6.89 x 9.60 ft
Axle	2 axles, 3500kg	Chassis Color	Black

SCREEN SPECIFICATONS

Screen Size	21 m ²	Pixel Density	65,536 Dots/m ²
Screen Dimensions	6m x 3.5m (19.69 ft x 11.48 ft)	Cabinet Configuration (mixed)	12x 500x500mm 36x 1000x500mm
Dot Pitch	3.9mm Standard	Operating Temperature	-20°C to +50°C

POWER SPECIFICATIONS

Power Input Type	Single Phase, 4-Wire Camlock	Power Output	Breaker Circuits
Input Voltage	208/220 VAC	Output Voltage	120/220 VAC
Inrush Current	20A Typical	Avg Power Consumption	5.25 kwh

MULTIMEDIA CONTROL SYSTEM

Video Processor	NovaStar VX1000 Pro (std)	Media Player	NovaStar TU15 (optional)
Video Inputs	3x HDMI, 3G-SDI, USB3.0	Ambient Light Sensor	NovaStar NSO60
Power Amplifier	1000W	Speakers	4x 200W

HYDRAULIC SYSTEM

Wind Force Rating	Level 8	Supporting Legs	300mm Outrigger Jacks
Mast Type	Hydraulic Screen Bi-Fold	Mast Rotation	360 Degrees
Mast Lifting Range	2000mm	Mast Weight Capacity	3000kg

