

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.

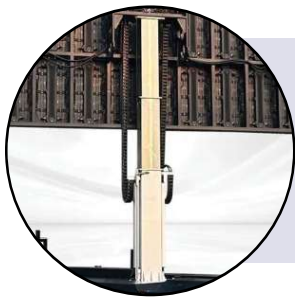


## 21m<sup>2</sup> Outdoor Display

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).

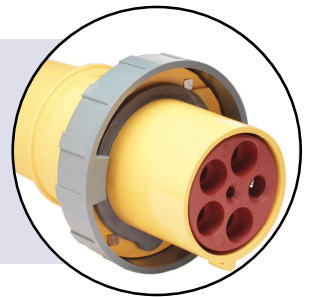


## Robust Construction

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.



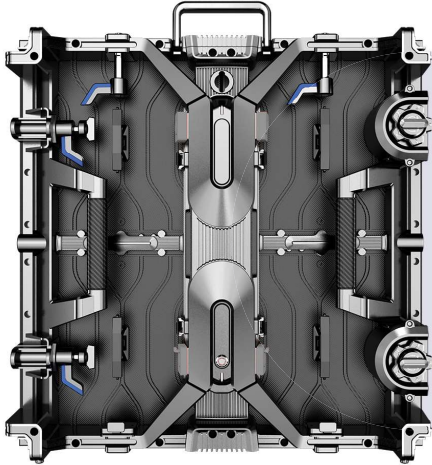
## Hydraulic Control

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.



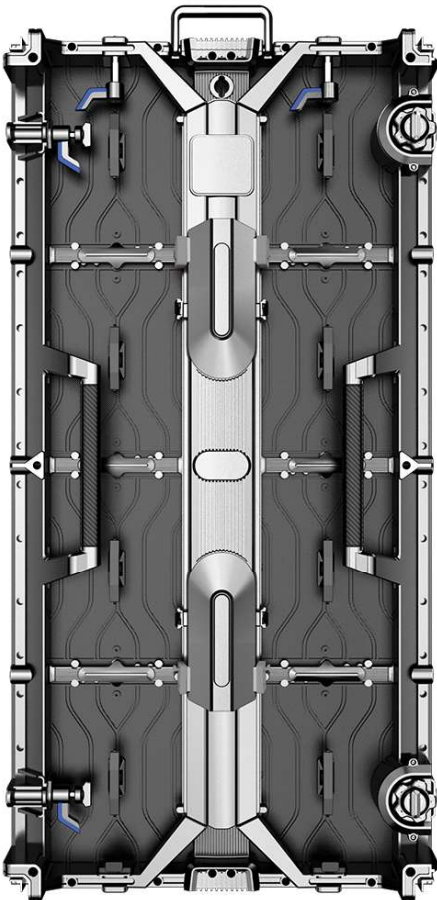
## LumiOS Outdoor Panels

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

	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 x 128 px or 256 x 128 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 <sup>2</sup> Avg. 220W/m <sup>2</sup>
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

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

## SCREEN SPECIFICATONS

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

## POWER SPECIFICATIONS

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

## MULTIMEDIA CONTROL SYSTEM

<b>Video Processor</b>	NovaStar VX1000 Pro (std)	<b>Media Player</b>	NovaStar TU15 (optional)
<b>Video Inputs</b>	3x HDMI, 3G-SDI, USB3.0	<b>Ambient Light Sensor</b>	NovaStar NS060
<b>Power Amplifier</b>	1000W	<b>Speakers</b>	4x 200W

## HYDRAULIC SYSTEM

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



Designed & Engineered in

