



Date: _____ Quantity: _____
 Company: _____
 Project: _____



T Series 20mm Pitch Outdoor High Resolution Module

High Resolution Media System displays crisp, clear imaging in vivid color and detail. This Outdoor RGB Module provides scalable communication messaging for retail and entertainment environments, sports arenas, and exhibition façades. High contrast ratio, brightness, and color correction technology ensures crisp, clear images and precise color reproduction. Daisy chain topology and simple cabling enable easy connection.



Product Specifications

Light Source	Oval LEDs; 1R1G1B
Pixel Pitch	20mm
Pixel Configuration	64 x 48
Color Temperature	6500 K
Viewing Angle	140° Horizontal / 60° Vertical (50% brightness)
Brightness	6000 nits (cd / m ²)
Minimum Viewing Distance	20 meters
Contrast Ratio	2000 :1
Process Depth	16bits
Display Refresh Rate	100kHz
Enhanced Resolution Features	N/A
Grey Scale (Linear) / Color	65536 levels
Total Number of Colors	281 trillion
Lifetime (50% brightness)	≥100,000 Hrs to 50% of initial brightness
Dimensions (W x H x D)	1280 x 960 x 179mm 50.39" x 37.80" x 7.05"
Module Surface Area	1.2288m ² / 1,904.74 in ²
Weight	60kg / 132lbs
Regulatory Listing & Safety Approval	CE
Operating Temperature	-20°C to +50°C / -4°F to +122°F
Storage Temperature	-40°C to +60°C / -40°F to +140°F
Environment	Outdoor (IP65 Front / IP43 Rear)
Humidity	< 90%, non-condensing
Service Access	Front or Rear Access

Electrical Specifications

Input Voltage	100-240V AC 50/60Hz
Power Consumption	530W max.

System Specifications

Input Source	AV, S-Video, VGA, DVI, HDMI, SDI, DP through Video Processor
Processor	Driving with Traxon Interface Processor (DVI or HDMI interface)
Power Supply	Built-in

Mounting

Mounting Bolt	Fixed with M12 Bolt x 4 pcs
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1. The Environment IP Rating is IP65 for the Front Side and IP43 for the Rear Side.

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

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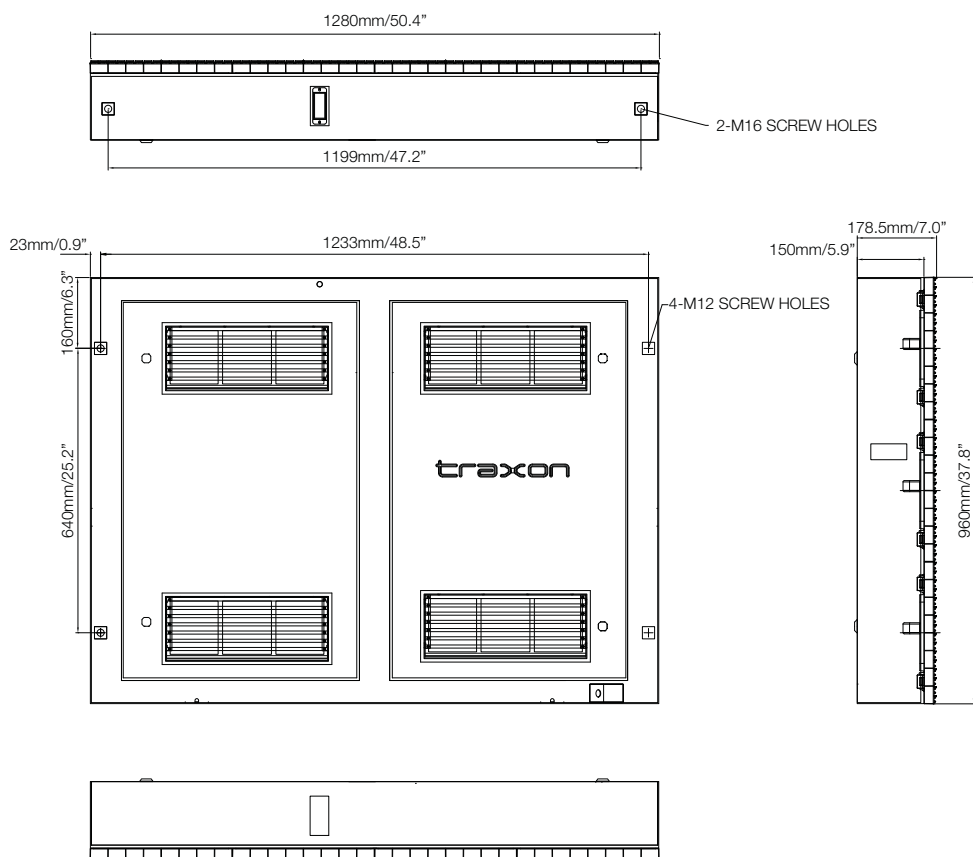
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Dimensions

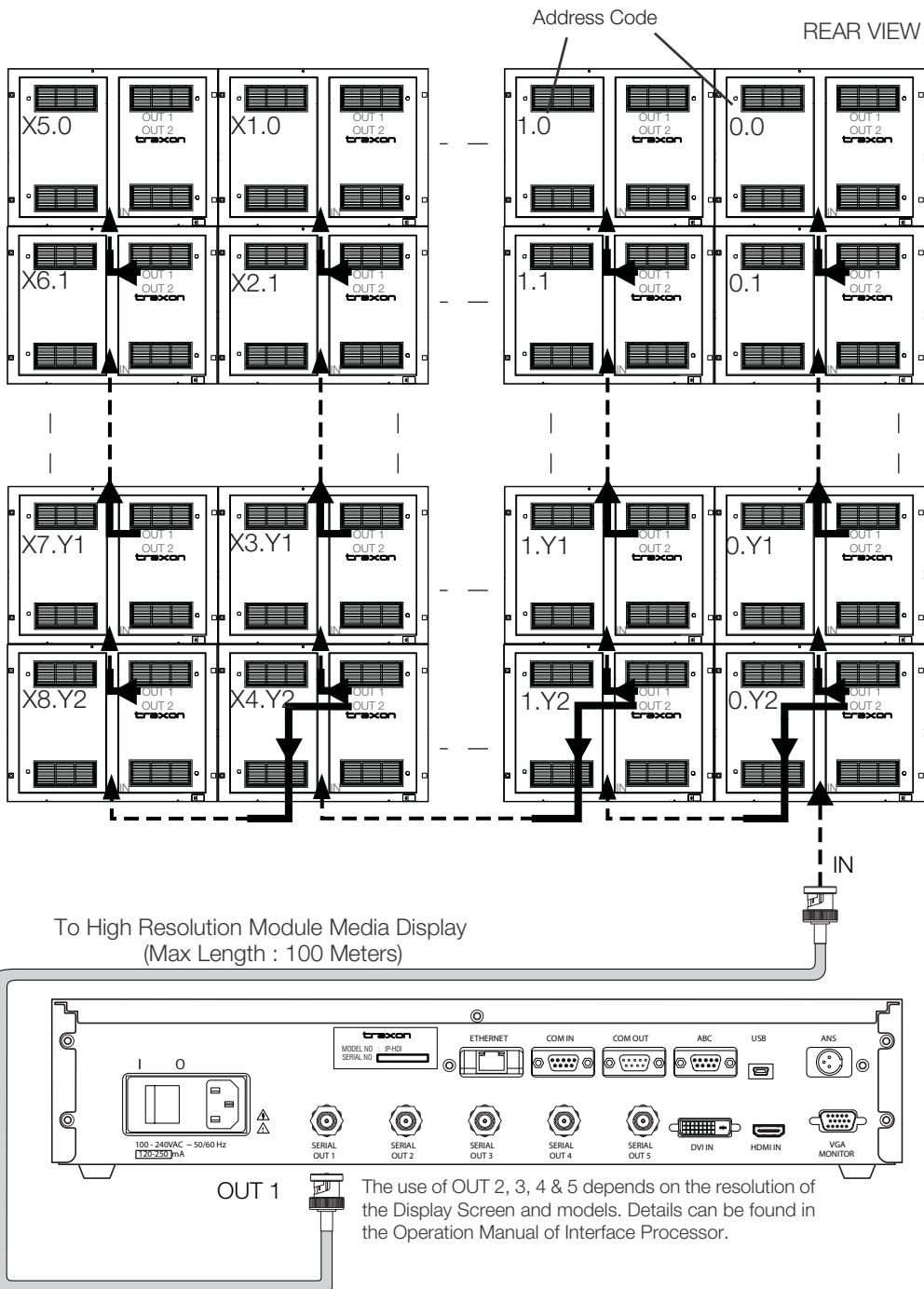
20mm pitch High Resolution Module





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System Diagram





T Series 20mm Pitch Outdoor High Resolution Module

Ordering

Fixtures

- Please contact regional Traxon sales office for details

Accessories

Model No.	Description	Item Code
HR.PE.8001000	Interface Processor - HDI	AA557470055

