Triton Datasheet
Part No.: 51321
For latest version visit:
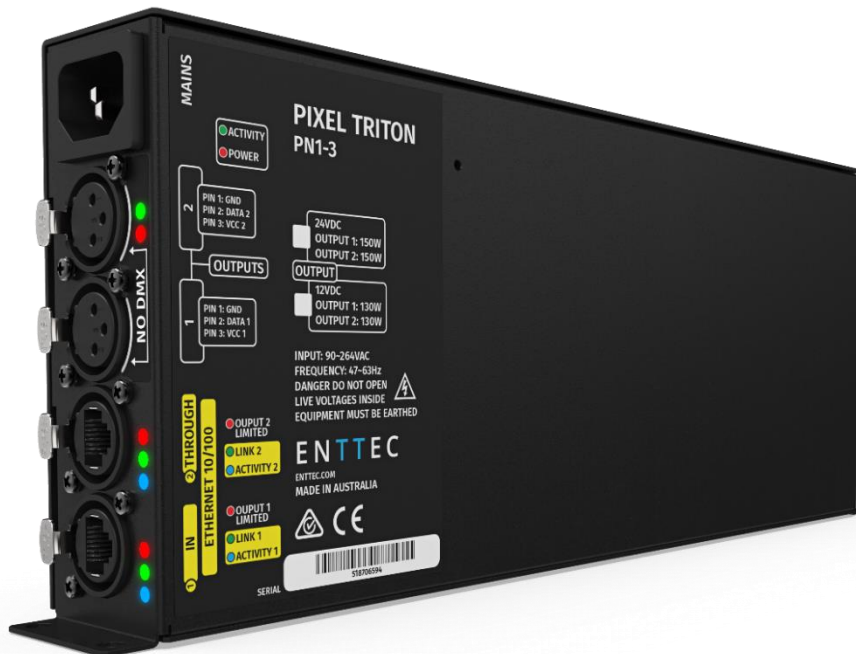www.enttec.com

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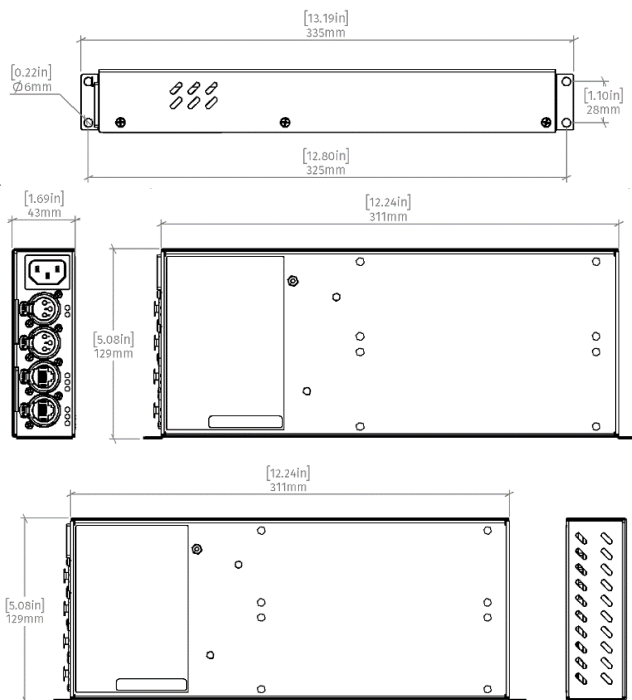# Pixel Triton

Features

- Web configurable

- Firmware updateable

- Supports the following DMX over Ethernet protocols:
    - Art-Net
    - Streaming ACN (sACN)

- Configurable Static or Dynamic (DHCP) IP (DHCP by default).

- Netmask and gateway updateable

- Up to 8 ethernet universes support (maximum of 4 universes per output port)

- Configurable pixel ordering.

- Monitors and maintains device temperature

- Monitors and displays the power consumed by each output

- Detects and indicates when the power consumed by an output is on or above the recommended value

- Monitors and displays the network traffic for the DMX over ethernet protocol enabled

- Easily extendable network – daisy chain ethernet connection

- Web faders for instant testing of setup

Safety Information

- This unit is intended for indoor use only.

- Do not expose this device to rain or moisture, doing this will void the warranty.

- Make all the connections before you plug in the mains power

- Do not remove the cover, there are no user serviceable components inside.

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- Never plug this unit in to a dimmer pack

- Ensure proper earth connections

- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6 inches (20 cm) between this device and a wall.

- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to the point they enter and exit the unit.
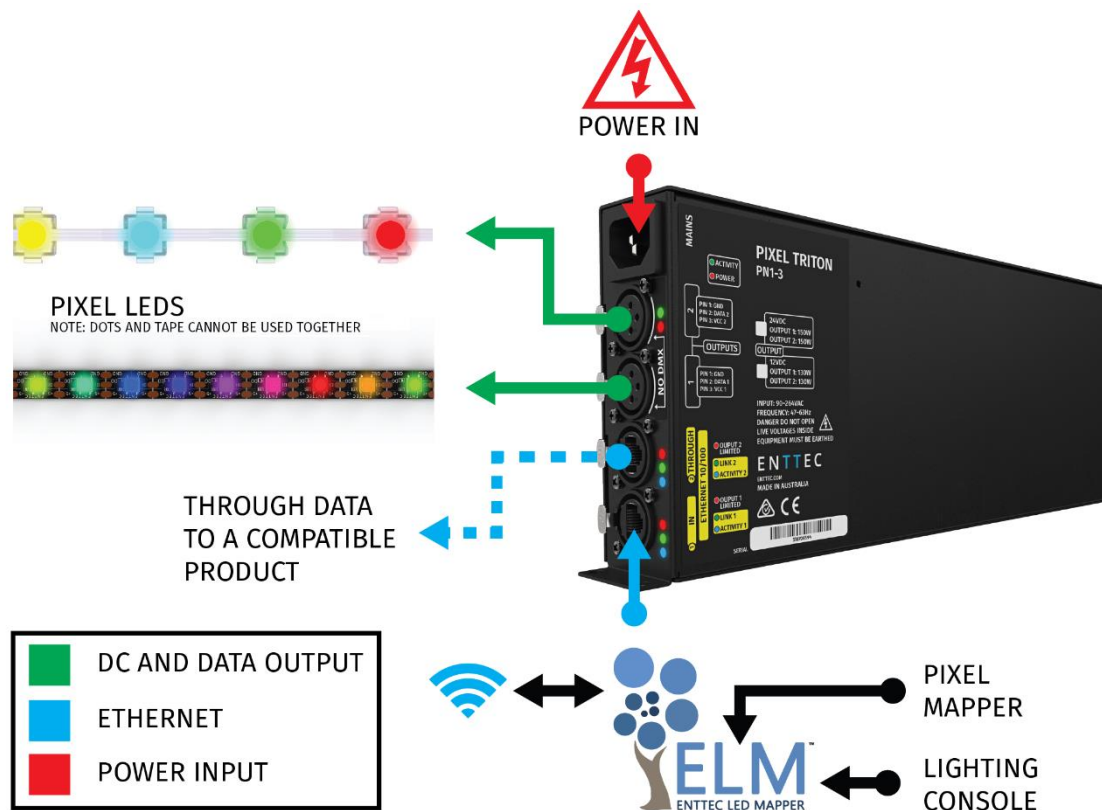
Physical Dimensions

Ordering Information

Part Number	Description
75020-12	Pixel Triton (12VDC)
75020-24	Pixel Triton (24VDC)

Specifications

Item	Product Name	
	75020-12	**75020-24**
Input Voltage	90 – 264V AC	
Input Frequency	47 - 63 Hz	
Maximum Total Output Power	260 W	300 W
Maximum /output	**Power** 130W	150W
	Current 10.83A	6.25A
Supported Protocols	Artnet 1/2/3, sACN	
Output Protocols	WS2811, WS2812, WS2812B, WS2813, SK6812, TM1804, TM1812, UCS2903, UCS2904, APA-104, 9PDOT (8 – 16bit)	
Maximum Pixel count/output (RGBW)	512 RGBW pixels	
Maximum Pixel count/output (RGB)	680 RGB pixels	
Maximum DMX footprint/output	2048 channels	
Operating Temperature	-10 ºC – 35 ºC	
Relative Humidity	20% - 90% (Non-condensing)	
Connectors	2X RJ45 etherCON 1 X IEC connector 2X 3-Pin Female XLR	
IP Rating	IP20	
Cooling Method	Smart fan	
Weight (in kg)	**Device** 2.02	
	Boxed Device 2.35	
Dimensions (in mm)	**Device** 335(L) x 129(W) x 43(H)	
	Boxed Device 400(L) x 215(W) x 115 (H)	

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Wiring Diagrams

POWER IN

PIXEL LEDS
NOTE: DOTS AND TAPE CANNOT BE USED TOGETHER

THROUGH DATA
TO A COMPATIBLE
PRODUCT

DC AND DATA OUTPUT
ETHERNET
POWER INPUT

PIXEL MAPPER

LIGHTING CONSOLE

ELM
ENTTEC LED MAPPER

- Always check that the voltage and output of Pixel Triton matches that of the tape/dots, before connecting.
- Network delay: 96 micro seconds per unit, for a standard 600 bytes Art-Net packet (when connected in network daisy chain)
- Only one ethernet source must be used to drive the device at any single time.
- Ensure distance between Triton data output and tape/dots data input is no more than 50cm
- Through connection can be made with any of the three models Pixel Port, Pixel Octo or Pixel Triton

Output 3-Pin Female XLR Pinout			
Female	**Pin 1**	Ground	
	Pin 2	Data	
Not to be used as DMX output	**Pin 3**	12V Triton	+12 VDC
		24V Triton	+24 VDC

⚠ **Do not connect the Positive voltage of output 1 (VCC 1) to positive voltage of output 2 (VCC 2)**

Due to continuous improvements and innovations of all ENTTEC products, specifications and features are subject to change without notice.

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