

# PixLite® T8-S Mk3

Long Range Pixel Transmitter



DATASHEET

Made in Australia  
5 Year Warranty

## KEY FEATURES

- Send Data up to 300m to Receivers
- 96 Universes of Art-Net or sACN
- Over 70+ Pixel Protocols Supported
- microSD Card Slot for Advatek SHOWTime™
- Dual Gigabit Ethernet Ports
- Auxiliary Port for DMX512 In/Out
- Configure Using Any Web Browser or Advatek Assistant 3 Software
- Electrical Fault Protection on All Ports



**ADVATEK**  
LIGHTING

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### PRODUCT OVERVIEW

The PixLite T8-S Mk3 is a powerful pixel LED controller built upon Advatek's 3rd generation PixLite Mk3 processor. The feature set of this processor are too significant to fit here, explore in the [PixLite Mk3 Processor Datasheet](#).

The PixLite T8-S Mk3 transmits up to 96 universes of data to 8 PixLite R2/R4 receivers at distances up to 300m. Perfect for any professional installation where the LEDs will be separated by some distance.

### A CLOSER LOOK AT THE TRANSMITTER

#### DUAL GIGABIT ETHERNET PORTS

Simplify your network infrastructure by daisy chaining PixLite controllers together. Maintain high network reliability by optionally connecting a redundant Ethernet line to any loop with a suitable switch.

Ethernet ports are fully equipped with a Universe Data Hardware Firewall to ensure your PixLite can constantly perform at its peak.

#### SHOWTime

SHOWTime™ unleashes the potential of Advatek PixLite® Mk3 devices to independently drive light shows without a computer or any source of live data.

SHOWTime™ allows users to record and play back pixel shows from the PixLite T8-S Mk3 using the inbuilt microSD slot. Design your own breathtaking pixel shows, record them directly onto the microSD card and play them back as many times as you wish.

SHOWTime™ also unlocks the ability to create up to 25 powerful triggers and use advanced intensity controls to enable true standalone behavior and enhance live environments.

#### AUXILIARY PORT

Versatile RS485 Auxiliary port can be used as either an input or an output.

As an output, connect DMX512 devices to the port and control them via sACN or Art-Net. As an input, connect a DMX512 source directly to the PixLite and use DMX512 as the data source for your pixels, or as a trigger source, or as a live intensity data source.

#### FAULT PROTECTION

Features electrical fault protection on all ports resulting in higher reliability and fewer equipment failures. See details on next page.

#### CERTIFICATIONS



#### 5 YEAR WARRANTY

For your absolute peace of mind, all Mk3 products come with a 5-year warranty. All products need to be used and installed in accordance with their designed purpose and operating environment. Please register your product on our website.

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### SPECIFICATIONS

#### PHYSICAL

RJ45 Data Outputs	8
Ethernet Ports	2 x 10/100/1000 Mbit/s
microSD Card Slot	1
Auxiliary Port	1 x RS485 Input/Output
Dimensions (inc. connectors)	169 x 221 x 42mm
Weight	1.1kg
Enclosure	Aluminium
Mounting	Direct Panel, Wall & Rack Mountable

#### CERTIFICATIONS & MARKS

North America	ETL Listing (Equivalent to UL Listing)
Europe	CE
North America	FCC
Canada	ICES3
Australia & New Zealand	RCM
United Kingdom	UKCA

#### POWER

Input Power	100V-240V AC
AC Fuse	1A M205

#### THERMAL

Ambient Operating Temperature	-10°C to +60°C
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#### FAULT PROTECTION

Electrostatic Discharge (ESD)	All ports protected
Auxiliary Port	+/- 48V DC fault protection
Pixel Data Outputs	+/- 36V DC fault protection

#### TESTING STANDARDS

Audio/Video & ICTE - Safety Requirements	UL 62368-1
Radiated & Conducted Emissions	EN 55032 & FCC Part 15
Multimedia Immunity	EN 55035
Harmonic Current Emissions	EN 61000-3-2
Voltage Fluctuations and Flicker Emissions	EN 61000-3-3
RoHS	RoHS 2 + DD (EU) 2015/863

#### PIXEL DATA

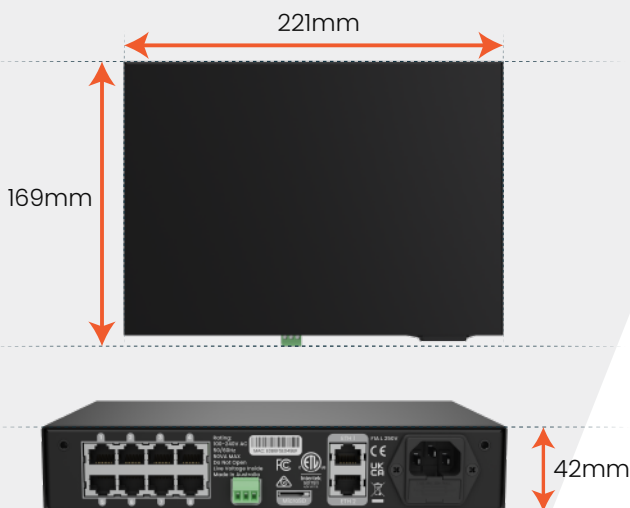
Pixel Outputs	16
RGB Pixels per Output	1020
RGBW Pixels per Output	768
Universes per Pixel Output	6
Total Pixel Universes	96

#### NORMAL MODE

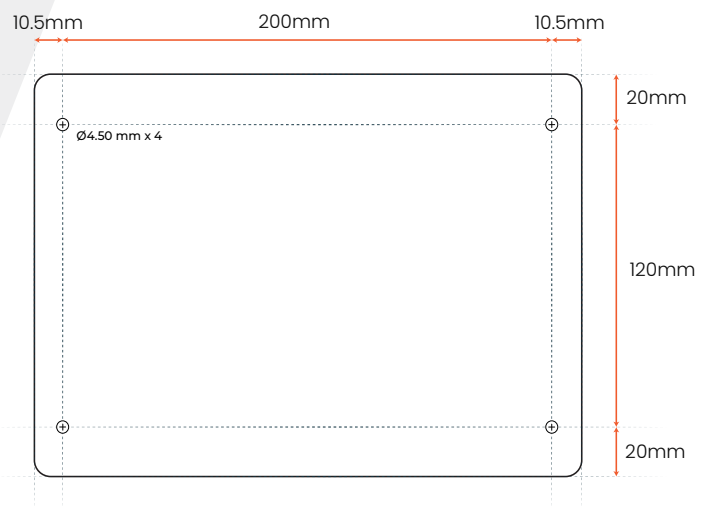
#### EXPANDED MODE

Pixel Outputs	32
RGB Pixels per Output	510
RGBW Pixels per Output	384
Universes per Pixel Output	3
Total Pixel Universes	96

#### OVERALL DIMENSIONS



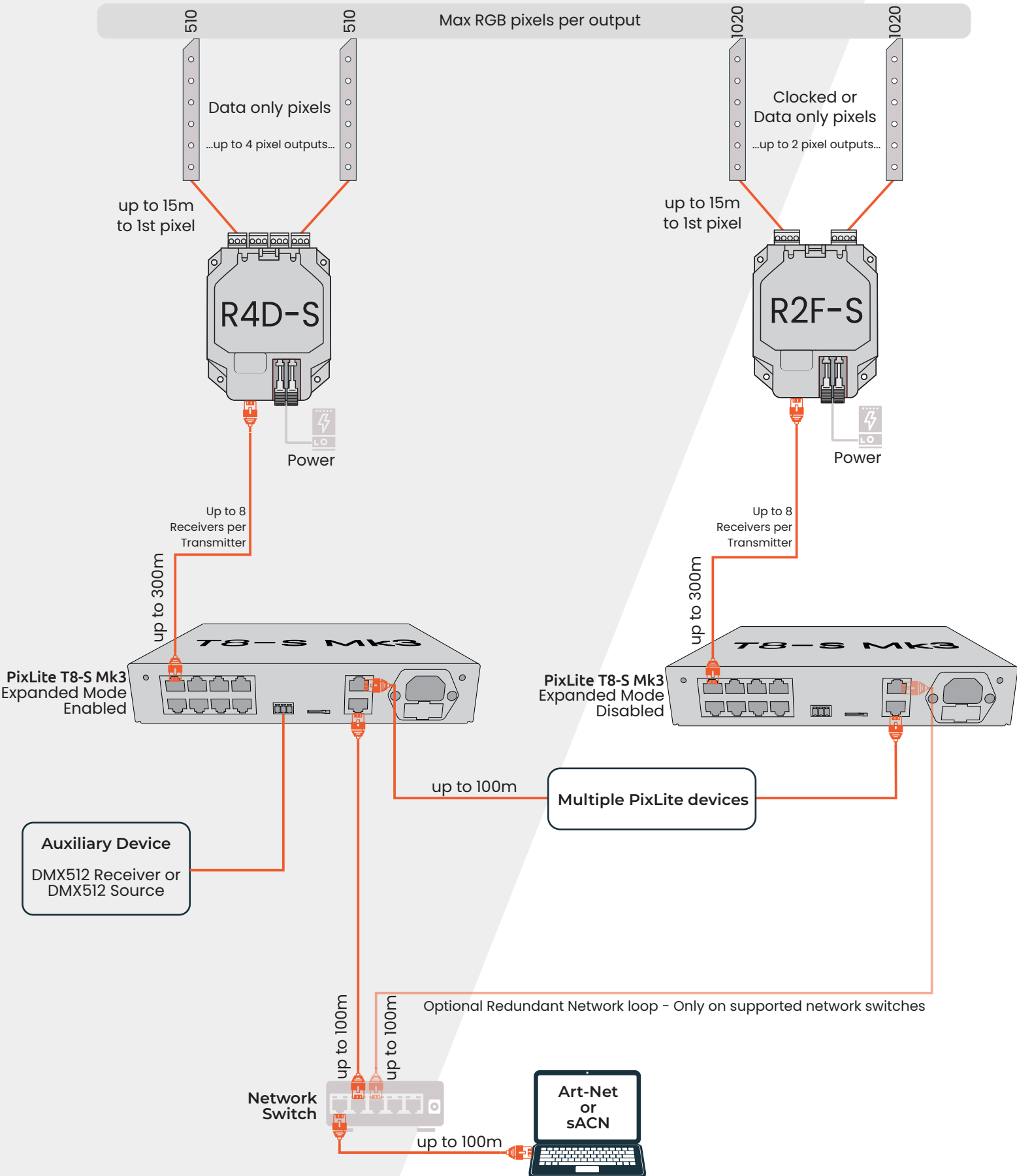
#### MOUNTING DIMENSIONS



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### TYPICAL WIRING DIAGRAM



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### OPTIONAL ACCESSORIES

#### WALL MOUNT



#### 1U RACK - SINGLE



#### 1U RACK - DUAL



### COMPATIBLE RECEIVERS

#### PixLite R4D-S

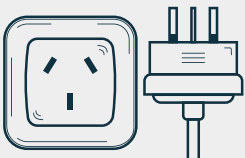


#### PixLite R2F-S

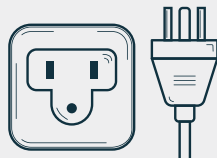


### POWER SOCKET OPTIONS

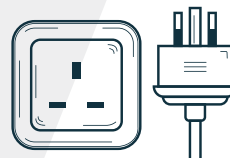
#### Type I



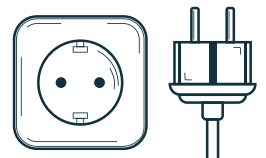
#### Type B



#### Type G



#### Type F



### ORDER CODES

#### ITEM

PixLite T8-S Mk3  
 PixLite T8-S Mk3  
 PixLite T8-S Mk3  
 PixLite T8-S Mk3  
 Mounting Bracket  
 Mounting Bracket  
 Mounting Bracket

#### VARIANT

Type I  
 Type B  
 Type G  
 Type F  
 Wall  
 1U Rack - Single  
 1U Rack - Dual

#### LOCATION

Australia  
 United States  
 United Kingdom  
 Europe

#### ORDER CODES

PIXT8S3AU  
 PIXT8S3US  
 PIXT8S3UK  
 PIXT8S3EU  
 MNT0301  
 MNT0201  
 MNT0202

PixLite R2F-S  
 PixLite R4D-S  
 Mounting Bracket

Din-Rail

PIXR2FS  
 PIXR4DS  
 MNT0101