

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 50+ Pixel Protocols Supported
- microSD Card Slot for Record & Playback*
- 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.

RECORD AND PLAYBACK*

Add your own microSD card to record pixel shows for stand-alone playback.

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.

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.

Also use a DMX512 source as an input to the device, to trigger other operational behaviour*.

FAULT PROTECTION

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

CERTIFICATIONS



**Support for these features to be released in an upcoming firmware update*

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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

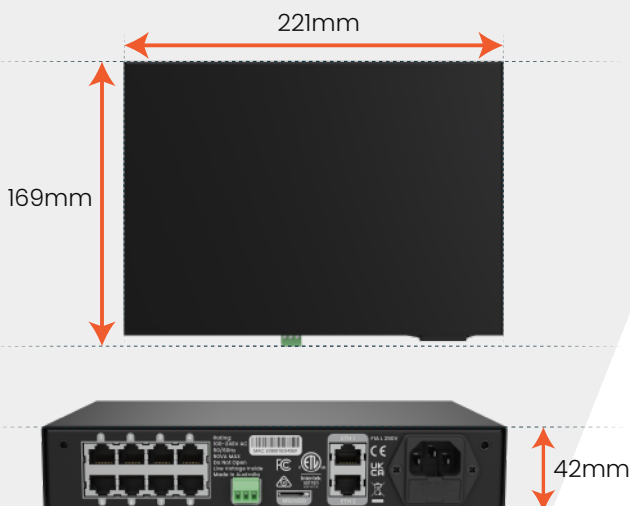
Pixel Outputs	16
RGB Pixels per Output	1020
RGBW Pixels per Output	768
Universes per Pixel Output	6
Total Pixel Universes	96

NORMAL MODE

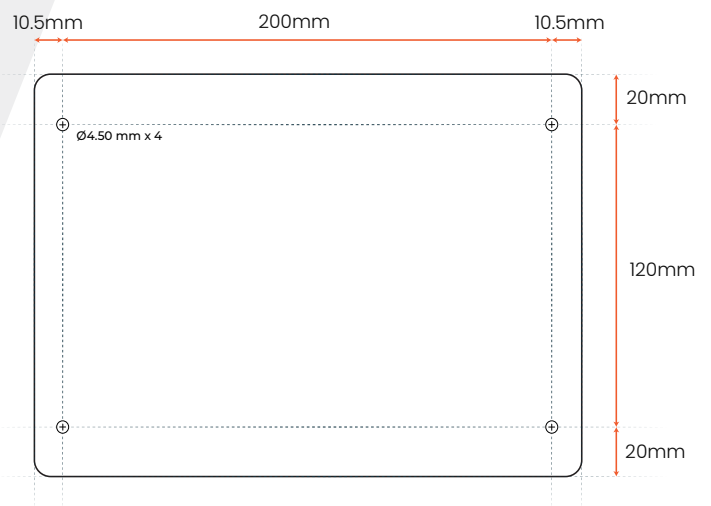
EXPANDED MODE

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

OVERALL DIMENSIONS



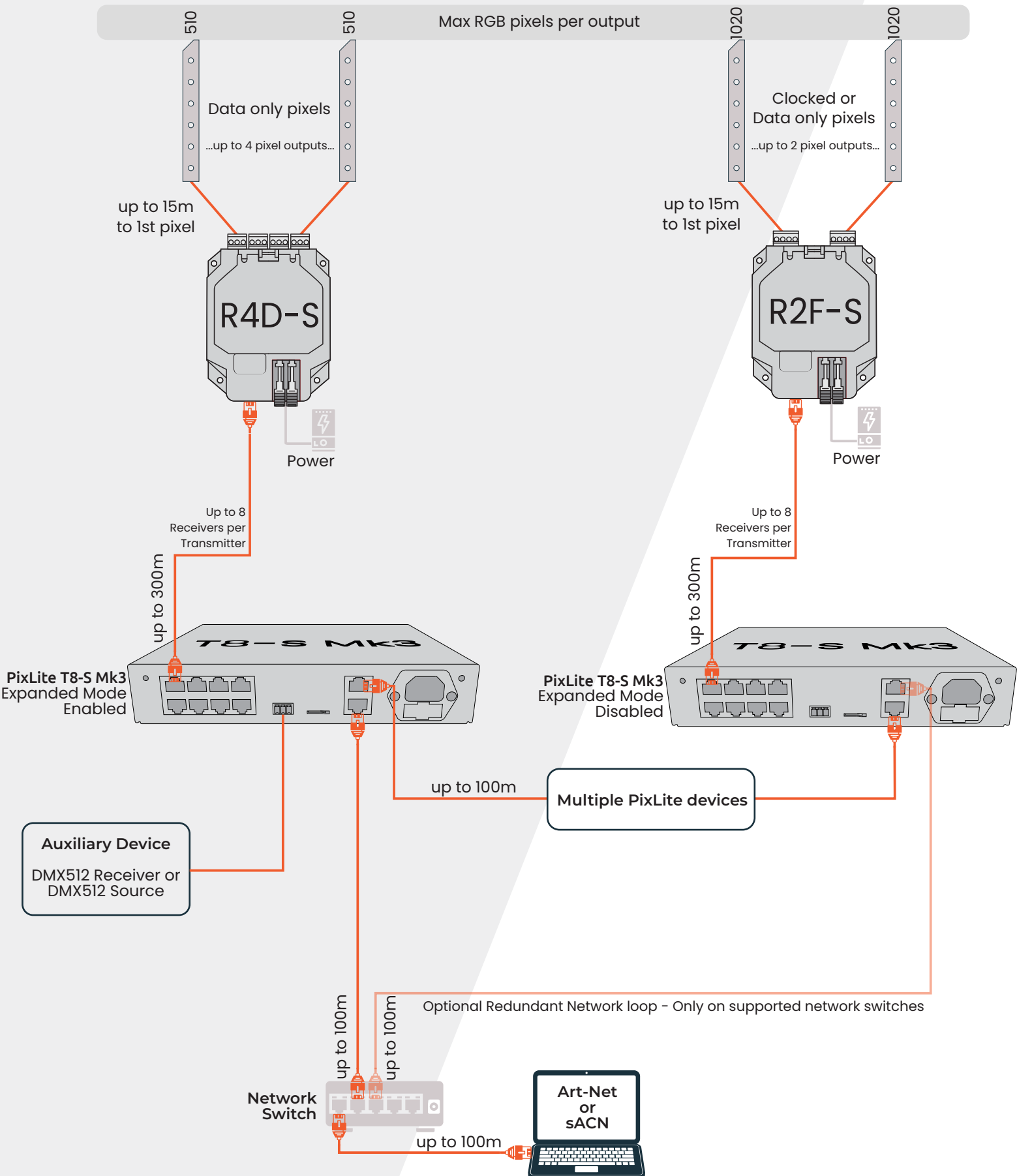
MOUNTING DIMENSIONS



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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

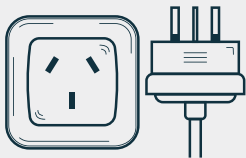


PixLite R2F-S

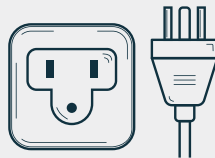


POWER SOCKET OPTIONS

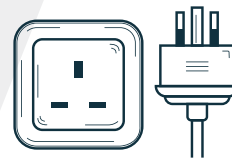
Type I



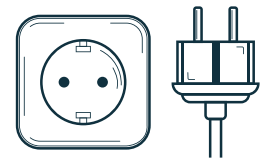
Type B



Type G



Type F



ORDER CODES

ITEM

PixLite T8-S Mk2
 PixLite T8-S Mk2
 PixLite T8-S Mk2
 PixLite T8-S Mk2

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