PixLite® T8-S Mk3

Long Range Pixel Transmitter

DATASHEET

Made in Australia

5 Year Warranty

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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

PixLite® T8-S Mk3

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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

FAULT PROTECTION

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

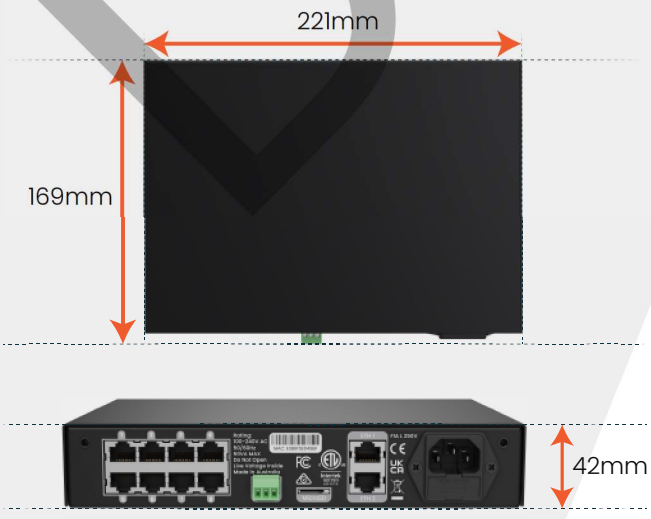
TESTING STANDARDS

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

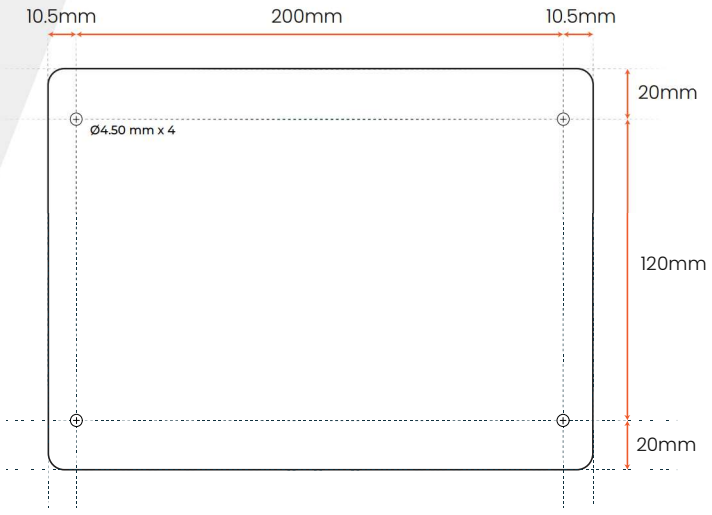
PIXEL DATA

	NORMAL MODE	EXPANDED MODE
Pixel Outputs	16	32
RGB Pixels per Output	1020	510
RGBW Pixels per Output	768	384
Universes per Pixel Output	6	3
Total Pixel Universes	96	96

OVERALL DIMENSIONS



MOUNTING DIMENSIONS



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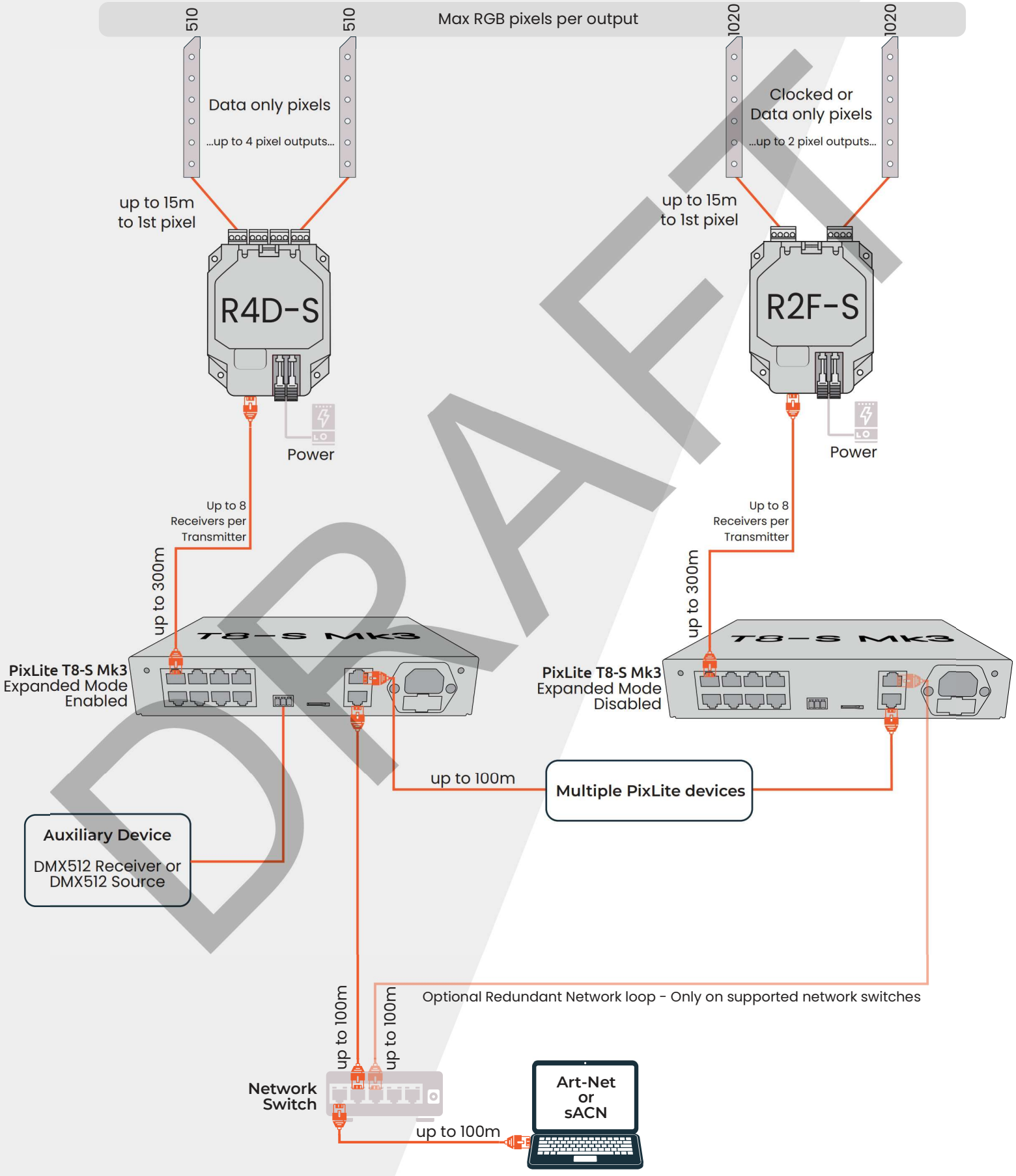
TYPICAL WIRING DIAGRAM



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OPTIONAL ACCESSORIES

WALL MOUNT

1U RACK - SINGLE

1U RACK - DUAL

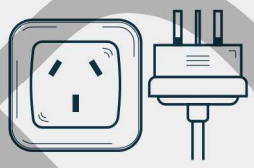
COMPATIBLE RECEIVERS

PixLite R4D-S

PixLite R2F-S

POWER SOCKET OPTIONS

Type I



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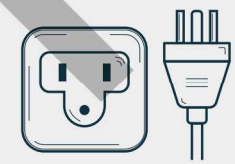

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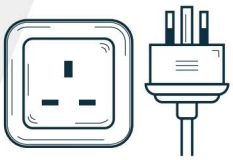

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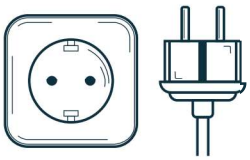

ORDER CODES

ITEM	VARIANT	LOCATION	ORDER CODES
PixLite T8-S Mk2	Type I	Australia	PIXT8S3AU
PixLite T8-S Mk2	Type B	United States	PIXT8S3US
PixLite T8-S Mk2	Type G	United Kingdom	PIXT8S3UK
PixLite T8-S Mk2	Type F	Europe	PIXT8S3EU
Mounting Bracket	Wall		MNT0301
Mounting Bracket	1U Rack - Single		MNT0201
Mounting Bracket	1U Rack - Dual		MNT0202

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