

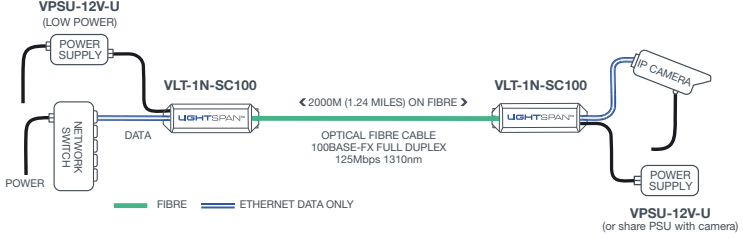
[QUICKSTART GUIDE]



ETHERNET TO FIBRE MEDIA CONVERTER

LIGHTSPAN®
SC100

[APPLICATION DIAGRAM ETHERNET TO FIBRE]

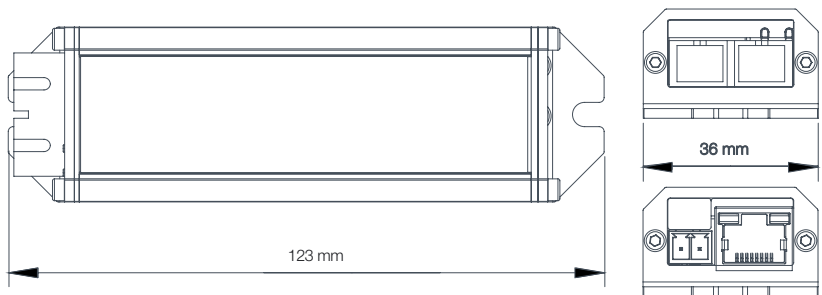
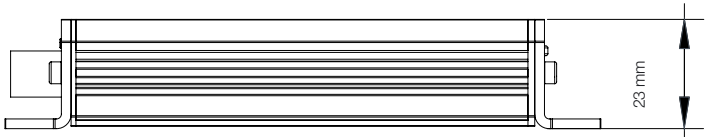


LIGHTSPAN can also be used in a 1U rack using VLS-1U. Ask Veracity for details of power supplies.

[CONNECT LIGHTSPAN]

- | Connect the Fibre cable to the LIGHTSPAN at the Camera end.
- | Connect the Fibre cable to the LIGHTSPAN at the Switch end.
- | Connect an Ethernet cable from the LIGHTSPAN to the RJ45 port on the Camera.
- | Connect an Ethernet cable from the Switch to the RJ45 port on the LIGHTSPAN at the Switch end.
- | Connect the LIGHTSPAN to the Power Supply at the Camera end.
- | Connect the LIGHTSPAN to the Power Supply at the Base end.

[PRODUCT DIMENSIONS]



[TECHNICAL SPECIFICATIONS]

POWER

Connector
Supply voltage
Supply current

Detachable screw terminal
8-57 volts DC or 20-28 volts AC
100mA (12V), 50mA (24V)

FIBRE INTERFACE

Socket
Cable
Rate
Wavelength
Range

SC Duplex
Multimode optical fibre (OM1 etc.)
125Mbps 100Base-FX
1310nm
up to 2,000m [1.24miles]

ETHERNET INTERFACE

Connector
Cable
Rate

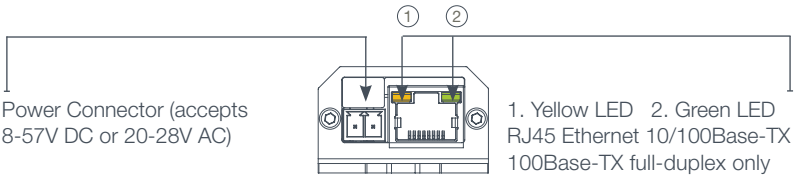
RJ45 copper Ethernet connector
Patch or crossover, auto-detected
100Base-TX full-duplex only

PHYSICAL | ENVIRONMENTAL

Dimensions (mm)
Weight
Compliance
Operating temperature
Relative humidity
Mounting

L123, W36, H23 (inc brackets)
100g / 3.52oz]
FCC, CE, RoHS, UKCA, BS EN 50121-4 (rail)
-10°C to 70°C [14 °F to 158°F]
85% non-condensing
Wall mounting brackets inc.
24 units/1U rackmount optional.

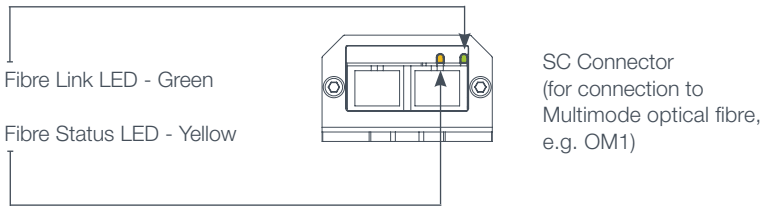
ETHERNET LEDS & CONNECTIONS



ETHERNET LEDS

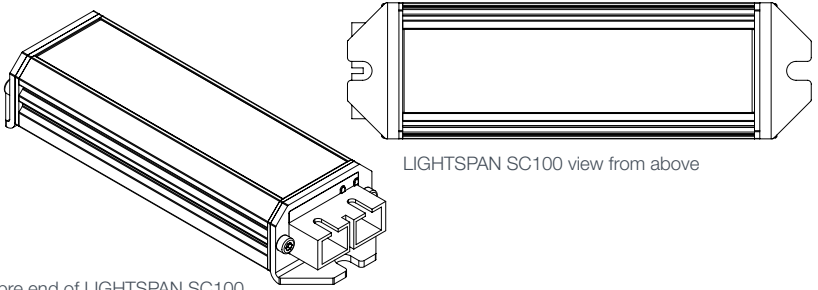
RJ45 LED	FUNCTION
RJ45 Green	On = Power good
RJ45 Yellow	On = 100Base-TX link established

FIBRE LEDS & CONNECTIONS



FIBRE LED	FUNCTION	GREEN	YELLOW	RED
STATUS LED	Status of Fibre connection	On = Power good	n/a	Fibre fault detected
LINK LED	Link status	n/a	On = 100Base-FX link established Flash = Network activity on fibre link	n/a

The transceiver is a Class 1 Laser device - which is safe under all normal operating conditions.



This Device Complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is

likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

Surge Protection

All Veracity products have been independently tested to verify their resilience to the stringent immunity levels of international standards. Users should note that no electronic equipment can be guaranteed to be completely protected at levels beyond the defined standard; therefore product warranty cannot include damage to products which has been caused by surges exceeding those of the standards specified, for example lightning strike activity.

It is the user's responsibility to implement relevant surge protection measures, as appropriate to the installation. This may include the fitting of additional surge protection devices where required.

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