

ETHERNET TO FIBRE MEDIA CONVERTER
LIGHTSPAN™
 SC 100



LIGHTSPAN delivers fast Ethernet interface speeds for use in rugged installations like railway stations, the underground and tunnels.

The range and bandwidth of fibre in a compact and rugged package

LIGHTSPAN SC100 is a slimline 100Base-FX media converter, specially designed for the environmental and practical requirements of IP video installations.

- | Delivers fast Ethernet interface speeds with a fibre SC connection
- | Ruggedised with extended temperature range
- | Railway EMC compliance for harsh environments
- | High density mounting alongside other Veracity extension products
- | Versatile power input supports legacy 12V DC / 24V AC supplies
- | Fully automatic, simple to install and maintenance-free

TECHNICAL SPECIFICATION

LIGHTSPAN™
SC 100

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 2,000m [1.24miles]
ETHERNET INTERFACE	Connector Cable Rate	RJ45 copper Ethernet connector Patch or crossover, auto-detected 100Base-TX full-duplex only
LED INDICATORS	Ethernet LED Ethernet LED Fibre LED Fibre LED	Green : Power good Yellow : 100Base-TX link / activity Green : Power good Yellow : 100Base-FX link / activity
PHYSICAL ENVIRONMENTAL	Dimensions Weight Operating temperature Relative humidity Compliance Mounting	L 123mm (inc brackets), W 36mm, H 23mm, 100g [3.52oz] -40°C to 70°C [-40 °F to 158°F] 85% non-condensing FCC, CE, RoHS, UKCA, BS EN 50121-4 (rail) Wall mounting brackets included. 24 units/1U rackmount optional
PRODUCT CODES	VLT-1N-SC100 VPSU-12V-U VHW-RMPSU VLS-1U	Single LIGHTSPAN media converter unit, one 100Base-TX RJ45 port, one SC100 socket. 2 units required for each installation 12V DC power supply, universal AC input, for single unit 24V DC PSU (with linking cable) for 8 x VLT-1N-SC100 units 1U panel for up to 24 LIGHTSPAN units, 24 HIGHWIRE Longstar units or 24 LONGSPAN units Rackmountable multi-channel power supplies - optional dual-redundancy and status LEDs <i>For a full range of solutions, power supplies and power configurations contact sales at Veracity</i>



LIGHTSPAN SC100 is a compact 100Base-FX media converter, specially designed for mounting inside camera housings and ruggedised for harsh environments.

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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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