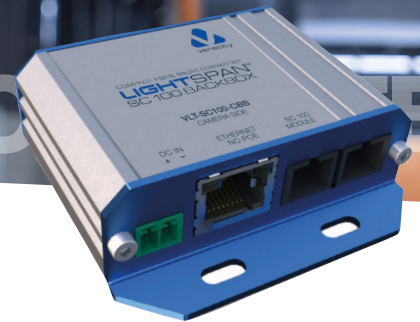


COMPACT FIBRE MEDIA CONVERTER
LIGHTSPAN™
 SC 100 BACKBOX



LIGHTSPAN Backbox delivers fibre media conversion in a rugged format for easy installation into camera housings



The range and bandwidth of fibre in a rugged, compact backbox format

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

- | Delivers fast Ethernet interface speeds with a fibre SC connection
- | Compact backbox format for mounting inside a camera housing
- | Ruggedised with extended temperature range
- | Railway EMC compliance for harsh environments
- | Versatile power input supports legacy 12V DC / 24V AC supplies
- | Fully automatic, simple to install and maintenance-free
- | All connectors are on one side for easy installation

TECHNICAL SPECIFICATION

LIGHTSPAN™
SC 100 BACKBOX

POWER

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

FIBRE INTERFACE

Socket	SC Duplex
Cable	Multimode optical fibre (OM1 etc.)
Rate	125Mbps 100Base-FX
Wavelength	1310nm
Range	2,000m [1.24miles]
Compatibility	Compatible with VLT-IN-SC100 or VLT-SC100-CBB (pair or mixed pair required)

ETHERNET INTERFACE

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

LED INDICATORS

Ethernet LED	Green : Power good
Ethernet LED	Yellow : 100Base-TX link / activity

PHYSICAL | ENVIRONMENTAL

Connectors	All connectors are on the same side of the unit
Dimensions	L 61mm (inc brackets), W 67mm, H 23mm,
Weight	110g [3.88oz]
Operating temperature	-40°C to 70°C [-40 °F to 158°F]
Relative humidity	85% non-condensing
Compliance	FCC, CE, UKCA, RoHS, BS EN 50121-4 (rail)
Mounting	Two 4mm diameter integral mounting holes on 27mm centres

PRODUCT CODES

VLT-SC100-CBB

VLT-1N-SC100

VPSU-12V-U

VHW-RMPSU

VLS-1U

LIGHTSPAN SC100 Backbox fibre to Ethernet media converter device

LIGHTSPAN SC100 fibre to Ethernet media converter device

12V DC power supply, universal AC input, for single device

24V DC PSU (with linking cable) for 8 x VLT-1N-SC100 devices

1U panel for up to 24 x LIGHTSPAN SC100 devices

Rackmountable, multi-channel power supplies available

For a full range of solutions, power supplies and power configurations contact sales at Veracity

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

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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.



Veracity HQ
Prestwick International Aerospace Park
4 Dow Road
Prestwick
UK
KA9 2TU
Tel +44 (0) 1292 264967
www.veracityglobal.com
sales@veracityglobal.com

See www.veracityglobal.com website for country and region specific contacts.