

ETHERNET TO FIBRE MEDIA CONVERTER
LIGHTSPAN™
SC100



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™
SC100**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]

ETHERNET INTERFACE

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

LED INDICATORS

Ethernet LED	Green on : Power good
Ethernet LED	Yellow on : 100Base-TX link established
Fibre Status LED	Green on : Power good
Fibre Status LED	Red on : Fibre fault detected
Fibre Link LED	Yellow on : 100Base-FX link established
Fibre Link LED	Yellow flash : Network activity on fibre link

PHYSICAL | ENVIRONMENTAL

Dimensions	L 123mm (inc brackets), W 36mm, H 23mm,
Weight	100g [3.52oz]
Operating temperature	-10°C to 70°C [14 °F to 158°F]
Relative humidity	85% non-condensing
Compliance	FCC, CE, RoHS, BS EN 50121-4 (rail)
Mounting	Wall mounting brackets included. 24 units/1U rackmount optional

PRODUCT CODES

VLT-1N-SC100

VPSU-12V-U
VPSU-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 AC 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.

Rack-mountable multi-channel power supplies - optional dual-redundancy and status LEDs. *For a full range of solutions, power supplies and power configurations contact sales at Veracity.*

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