Starcard Converter

Application Notes

The Starcard Converter is designed to provide simple and cost effective RS485/422 protocol conversion. The Starcard Converter accepts RS485/422 Data from one source, converts it to one of a wide range of possible RS485/422 protocols and distributes it across eight isolated outputs.
The outputs can be wired in a star format or a daisy format to allow up to 31 cameras to be controlled from each output.

Features

- Two RJ45 sockets and a screw terminal connector for RS485/422 input from a controller and output to additional daisy chained Starcard Converters
- Eight screw terminal connectors used to output RS485/422 data. Each output can be connected to a single dome/receiver or up to 31 domes/receivers or a combination wired as a daisy chain.
- Uses 2–wire simplex control of cameras
- Input and output protocols are dipswitch selectable. Our constantly expanding software library currently supports approximately 30 protocols
- DB9F connector provides a diagnostic output. This can be used with a laptop PC to monitor the data being sent out of the Starcard via RS232
- Debug mode can also be selected which provides detailed information for each command received. On power up, or if input or output settings are altered, the current protocol, baud rate and parity settings will be outputted to laptop PC

Technical Specification

Power supply	• 12 Vdc 1000mA
Inputs	• 2-wire RS485/422 Simplex • 4-wire RS422 Full Duplex
Outputs	• 8 x 2-wire RS485 Simplex (max cable run 1200mtrs)
Other outputs	• RS232 monitor output via chassis mounted DB9 connector
Features	• LED as power indicator
Installation	• Supplied in 1U 19in rack mountable metalwork or wall-mounted via the fixing brackets supplied
Dimensions	• Width 427mm Depth x 73mm Height x 45mm
Weight	• 2.2Kg
Colour	• Metal case powder coated RAL7035

Protocols compatible with the Starcard Converter:

360 Vision	NIO D86/Intercepter (Pelco D)
BBV 422	Panasonic CS850/860
CBC SMD20	Pelco D
Chugai	Pelco P
Conway LTC8780/50)	Philips RS232/485 (bi-phase via Philips
COP (Pelco D or P)	Samsung 641/643 dome 421P camera
Dennard 2050	Sanyo VCC9200P
DM DTMT (using TAD3 with special s/w)	Sensormatic RS422 (Ultradome)
Forward Vision Mic1-300/400	Star MD2000
Ganz ZC-S122/123	VCL
JVC 676	Vicon Surveyor & V1305DC
LG dome (Pelco D) 9600,N,8,1)	Videcon VHSD860 Dome (Pelco P-
Mark Mercer 2400,N,8,1)	Videcon VPC451 Camera (Pelco D-
Meyertech ZVR510 VICTA protocol	Videotec Ulisse (Pelco D)
Molynx 250/260 D –Type	Vista Power Dome