



# 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 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



### Building Block Video Ltd.

17 Apex Park, Diplocks Way, Diplocks Way, Hailsham, East Sussex, UK BN27 3JU  
Tel: +44 (0) 1323 842727 Support: +44 (0) 1323 444600  
Fax: +44 (0) 1323 842728 Web Site: [www.bbvctv.com](http://www.bbvctv.com)



# STARCARD CONVERTER



## Technical specification

Power requirements	9V dc 500mA
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	427mm (w) x 73mm (d) x 45mm (h)
Weight	2.1kg
Colour	Metal case powder coated RAL7035

### Protocols compatible with the Starcard Converter:

360 Vision	Panasonic CS850/860
BBV RX450/550	Pelco D
CBC SMD20	Pelco P
Chugai	Philips RS232/485 (bi-phase via Philips LTC8780/50)
Conway	Photoscan fixed speed pan/tilt
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)	Videcon VHSD860 Dome (Pelco P-9600,N,8,1)
Mark Mercer	Videcon VPC451 Camera (Pelco D-2400,N,8,1)
Meyertech ZVR510 VICTA protocol	Videotec Ulisse (Pelco D)
Molynx 250/260	Vista PowerDome
NIO D86/Interceptor (Pelco D)	



### Building Block Video Ltd.

17 Apex Park, Diplocks Way, Diplocks Way, Hailsham, East Sussex, UK BN27 3JU  
Tel: +44 (0) 1323 842727 Support: +44 (0) 1323 444600  
Fax: +44 (0) 1323 842728 Web Site: [www.bbvctv.com](http://www.bbvctv.com)