



RX10X



Multi Protocol Dome Interface Receiver



Application Notes

The RX10X is designed to offer a simple solution for applications where there is a need to control one of a variety of 3rd Party Dome Cameras. The receiver offers considerable opportunities for upgrading existing BBV telemetry systems as it is now possible to add a wide range of integrated domes into the system.

Features

- Compatible with both fixed speed and proportionally controlled variable speed domes.
- No additional cabling required. Designed to operate over 500m using standard CT125 coaxial cable.
- Video launch amplifier provides loss compensation for optimum picture quality.
- Will operate on 20mA current loop as standard for situations where coax control is impractical (some domes are coax telemetry only – check with BBV first)
- Low voltage supply.
- Can be supplied from domes PSU (see manual for exclusions)
- Compatible with all BBV telemetry transmitters and equipment using BBV up-the-coax telemetry
- Small & compact design thus giving opportunity to fit the RX10X in to the domes PSU enclosure.
- Simple to install. No specialized knowledge required.



Building Block Video Ltd

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



RX10X



Technical specification

Power supply	12 – 36Vdc or 24V ac
Max load	100mA
Outputs	RS232, RS422, RS485 serial data (dome specific)
Features	Unit auto tunes to coaxial signal LED readout for continual system status Video launch amplifier provided with Gain and Lift adjustment
Telemetry signals	Up-the-coax telemetry signals designed to operate over 250m of RG59 or 500m of CT125 coaxial cable or via twisted pair 20mA current loop
Video input	1V p-p 75Ω terminated input via BNC socket
Video output	1V p-p 75Ω impedance input via BNC socket

Part Number	Description	Dimensions	Weight	Temp range	IP rating
RX10X	Multi Protocol Dome Interface Receiver	Width: 69mm Depth: 57mm Height: 36mm	0.5kg	-10°C - +40°C	IP20

The RX10X is capable of driving the following domes:

Dennard (20xx), Genie ASD276 & ASD376, JVC TK-C655B, 675B & 676, Panasonic (WV-CSR400/600/650), Panasonic (WV-CS850/860/960), Pelco Spectra & Esprit (Pelco P Protocol), Philips/Bosch, Sensomatic Speed Dome (RS422 only), VCL-TP, Vicon Surveyor, Videcon Dome, Videcon Camera (VCP451) and Vista Powerdome.

The library of supported domes is being continually enhanced.

Please contact our technical support team if the dome required is not shown.

Tel: +44 (0) 1323 444600

Email: support@bbvctv.com



Building Block Video Ltd

17 Apex Park, Diplocks Way, Hailsham, East Sussex, BN27 3JU, UK

Tel: +44 (0) 1323 842727 Support: +44 (0) 1323 444600

Fax: +44 (0) 1323 842728 www.bbvctv.com