RX100 CE

The RX100 Dome Interface receiver combines BBV's customary ease of use, with an aesthetically pleasing design to produce a cost effective way of interfacing BBV control equipment with a wide range of protocol driven 3rd party equipment.

Application Notes

The RX100 offers a simple solution for applications where there is a need to control a variety of pan and tilt mechanisms. The receiver offers considerable scope 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. Operates over 500mtrs using standard CT125 coaxial cable

- Video launch amplifier provides loss compensation for optimum picture quality

- 4 local alarm inputs are available. When activated these will call up presets1-4

- 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)

- Common alarm out contact (momentarily opens on alarm)

- Onboard lights relay operated from the transmitter keyboard for switching loads of up to 1kW

- Low voltage supply

- Compatible with all BBV telemetry transmitters and equipment using BBV up-the-coax telemetry, e.g. DM DS2/BX2, Adpro AMUX, Sanyo DVR, Tecton Darlex

- Simple to install - no specialised knowledge required

- RX100/24 powered from 230Vac with 24Vac 100VA dome supply output

Technical specification

Power supply	9-12Vac/dc (R100/24 requires 230Vac or 24Vac)
Max load	100mA at 9V
Outputs	RS232, RS422, RS485 serial data (dome specific)
Features / options	Unit auto tunes to the coaxial signal LED readout for continual system status Video launch amplifier provided with gain and lift adjustment Colour coded outlets - live, neutral, earth, low voltage
Telemetry signals	Up-the-coax telemetry signals designed to operate over 250mtrs of RG59 or 500mtrs of CT125 coaxial cable or via twisted pair 20mA current loop
Lights input	Able to switch up to 1kW of lighting
Video input	1V p-p 75R terminated input via BNC socket
Video output	1V to 4V p-p 75R impedance via BNC socket
Temperature range	-10C +40C
Protection	IP67
Dimensions	Boxed Width: 280mm Depth: 190mm Height: 130mm RX100/24 boxed Width: 380mm Depth: 190mm Height: 130mm
Weight	0.6Kg (boxed) RX100/24 2Kg (boxed)

The RX100 is capable of driving the following domes:

360 Vision, Borsatec (BT2790FF), Chugai (SMD-0811, SMD-12, SMD-12ii, SMD20), Dennard (20XX), Diamond Smartscan, Dynacolor (7720), Forward Vision (MIC1300), Kalatel Cyberdome (Jan 2002 or later firmware), Merit Lilin (PIH-717X/7000/7600/7625PF/7625DWPF) Mark Mercer (D250MPT), Panasonic (WV-CSR400 /600/650), Panasonic (WV-CS850/860/960), Pelco Spectra & Esprit (Pelco P Protocol), Philips/Bosch, Samsung (SCC-641), Sanyo (VCC-9200P), Sensormatic Speed Dome (RS422 Only), Sony (EVI-D31/1000), Star (MD-800/1200s/1200h/2000), Ultrak KD6, VCL-TP, Vicon Surveyor, Videcon Dome, Videcon Camera (VCP451), Vista Power Dome

The library of domes supported is being enhanced continually.
Please contact our technical support department if the dome required is not shown.