

**RX55X**

Advanced Multiple Protocol Telemetry Receiver for 24Vdc Heads



Application Notes

The RX55X MK5 is designed to control variable speed DC pan & tilts heads from BBV and Baxall up-the-coax, and a range of RS485/422 telemetry protocols.

The receiver offers system designers the option of using traditional P/T/Z heads for applications where it is necessary to specify a range of camera / lens combinations.

Features

- 230Vac / 110Vac input switch selectable operation; 24Vac is a factory fitted option
- 32 full preset scenes are programmable
- On-screen display for remote configuration and menu programming
- LCD display for local configuration and menu programming
- Privacy Zones
- 8 local alarm inputs and one alarm output to minimise cabling requirements
- Built in remotely adjustable launch amplifier provides cable loss compensation for optimum picture quality
- Auxiliary output voltage switch selectable; Supply voltage / 24Vac
- 12Vdc 500mA camera supply provided
- Iris override provided
- Inching function provides fine lens control
- PAL / NTSC compatible
- IP67 weather proof enclosure
- Simple to install; no specialised knowledge required

Supported Protocols (V36 software)

BBV, Baxall Standard & Alternate Up-The-Coax, BBV 20mA (via additional 20mA Converter), BBV RS422, Coe RS485, Dennard RS422/485, Meyertech, Molynx RS422/485, Pelco P, Pelco D, Philips RS422/485 (Bi-Phase via optional card), Sensormatic/AD RS422, Sony RS422, VCL/Honeywell RS485 & Vicon RS422



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

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Technical specification

Power supply	230Vac / 110Vac; 24Vac factory fitted option
Max load	5A @ 230V
Max current draw	100VA assuming 2A each for pan and tilt
Fuses	Secondary F1 automatically resetting thermal fuse Primary Fuse F2 TR 3.15A Auxiliary Fuse F3 5A T 20mm
Outputs	Linear 0-24Vdc output for pan and tilt motor drive for 4 wire pan/tilt heads Switched 24Vdc output for pan and tilt drive Red and green LEDs show direction and speed for each axis
Features	On-screen display for remote configuration and menu programming LCD display for local configuration and menu programming LED readout for continual system status Video launch amplifier provided with cable length adjustment 12Vdc camera power outlet provided Colour coded outlets – live, neutral and earth, low voltage
Video input	1V p-p 75 ohm terminated input via BNC socket
Video output	1V to 4 V p-p 75 ohm impedance via BNC socket
Auto iris output	Returns to original setting 15 seconds after key release. Level programmable from either local or remote controller
Lens drive	Adjustable via menu between 3 – 12Vdc from receiver and remotely from configuration menu. Inching speed selectable via menu between 0-12V. One second inching built in. Provides drive for zoom and focus. Each lens drive carries red and green LEDs to indicate direction and drive voltage
Preset Positioning	Inputs are provided for pan, tilt, zoom & focus preset feedback pots. These are 10 bit resolution for zoom & focus, 13 bit for pan & tilt. Up to 32 full-scene presets can be stored within the receiver i.e. pan, tilt, zoom, focus for each position. (16 full-scene presets in BBV & Baxall up-the-coax telemetry)
Installation	Supplied in a molded polycarbonate box rated to IP67. The box has mounting holes allowing easy installation
Dimensions	Width: 380mm Depth: 190mm Height: 130mm
Weight	3.6Kg
Rating	IP67
Temperature range	-10C to +40C



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