

Rx55X

Advanced Multiple Protocol DC Receiver



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 RS422/485 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
- OLED 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
- Mounted in a weather proof enclosure
- Simple to install

Supported Protocols (V6 software):

BBV422 and BBV Coax
Baxall Standard & Alternate Up-The-Coax
BBV 20mA (via additional 20mA Converter)
Philips RS485 (Bi-Phase via optional card)
Coe RS485
Sensormatic/AD RS422

Dennard RS485
Meyertech
Molynx Type – D RS485
Pelco P
Pelco D
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

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**
- F1 Secondary Automatically resetting thermal fuse
 - F2 Primary Fuse TR 3.15A
 - F3 Auxiliary Fuse 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
 - OLED 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 4V 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** • 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. The box has mounting holes allowing easy installation.
- Dimensions** • Width: 380mm Depth: 190mm Height: 130mm
- Weight** • 3.9Kg
- Rating** • IP56
- Temperature range** • -10C to +40C
- Colour** • Plastic case in RAL 0735



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