Rx45X

Advanced Multiple Protocol AC Receiver

Application Notes

The Rx45X MK5 is designed to control fixed speed AC pan & tilts heads from BBV and Baxall up-the-coax telemetry 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:

BBV422 and BBV Coax	Dennard, RS485
Baxall Standard & Alternate Up-The-Coax	Meyertech
BBV 20mA (via additional 20mA Converter) RS485	Molynx Type – D
Philips RS485 (Bi-Phase via optional card)	Pelco P
Coe RS485	Pelco D
Sensormatic/AD RS422	Vicon RS422

Technical Specification

Power supply	• 230Vac / 110Vac; 24Vac factory fitted option
Max load	• 5A @ 230Vac 1150W @ 110Vac 550W @ 24Vac 120W
Receiver current draw	• 24VA
Fuses	• F1 Secondary Automatically resetting thermal fuse • F2 Primary Fuse TR 3.15A • F3 Auxiliary Fuse 5A T 20mm
Outputs	• 8 single pole relays (snubbed) supply voltage or 24Vac switch selectable • 1. Left Motor 2. Right Motor 3. Up Motor 4. Down Motor 5, Autopan (interlocked with pan). 6. Lights (1000W max) 7. Wash 8. Wipe
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 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 weather proof 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