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 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 compatable
- Mounted in a weather proof enclosure
- Simple to install.

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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	• 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 • 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 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	

Supported Protocols (V6 software)

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

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