

# RX55X

## ADVANCED MULTIPLE PROTOCOL TELEMETRY RECEIVER FOR 24Vdc HEADS

BBV



### **Application Notes**

The RX55X is designed to control 24Vdc high and variable speed pan & tilt heads via 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**

- o 230Vac operation, 110Vac with solder link. 24Vac is a factory fitted option.
- o Simply set up from the control unit, 32 full scenes are programmable.
  - Positioning control of pan, tilt, zoom and focus are available for each scene
- o Built in remotely adjustable launch amplifier provides cable loss compensation for optimum picture quality
- o 8 local alarm inputs and 1 alarm output minimises cabling requirements.
- o IP67 weather proof enclosure. (380mm x 190mm x 130mm)
- o 12Vdc 500mA camera supply provided.
- o PAL/NTSC compatible
- o Iris override provided
- o Inching function provides fine lens control
- o Serial port for control of camera functions
- o On screen display with menu programming
- o Simple to install. No specialised knowledge required
- o Remote configuration
- o Supports the following menu selectable protocols (V19 firmware)
  - BBV, BAXALL STANDARD & ALTERNATE UP-THE-COAX
  - BBV RS422
  - DENNARD RS422/485
  - PELCO P, PELCO D
  - PHILIPS RS422/485 (BI-PHASE VIA OPTIONAL CARD)
  - SENSORMATIC/AD RS422
  - MOLYNX RS422/485
  - VCL/HONEYWELL RS485
- o Optional privacy zone board

# RX55X 24Vdc TELEMETRY RECEIVER

## Technical Specification



<b>Power Requirements</b>	230Vac/110Vac solder link selectable or 24Vac factory fitted option		
<b>Max Load</b>	5A @ 230V		
<b>Receiver Current Draw</b>	400VA max assuming 2A each for pan and tilt output		
<b>Fuses</b>	Secondary	F1	Automatically resetting thermal fuse
	Primary fuse	F2	TR 3.15A
	Auxiliary fuse	F3	5A T 20mm
<b>Outputs</b>	Linear 0-24Vdc output for pan and tilt motor drive for 4 wire pan/tilt heads. Switched 24Vdc output for pan and tilt break drive. RED and GREEN leds show direction and speed for each axis.		
<b>Facilities</b>	LED readout for continual system status. On Screen Display with configuration menu and diagnostics  Video launch amplifier provided with cable length adjustment 12Vdc camera power provided – 500mA maximum. Colour coded outlets – live, neutral, earth, low voltage.		
<b>Telemetry Signals</b>	BBV and BAXALL STANDARD & ALTERNATE up-the-coax BBV RS422 Dennard RS422/485 Pelco P & Pelco D RS422/485 Philips(Bosch) RS422/485 (BI-PHASE via optional card) SENSORMATIC/AD RS422 MOLYNX RS422/485 VCL TP RS422/485(Honeywell)		
<b>Auto Iris Output</b>	Returns to original setting 15 seconds after key release. Level programmable from controller.		
<b>Video Input</b>	1v p-p 75 terminated input via BNC socket.		
<b>Video Output</b>	1v to 4v p-p 75 impedance via BNC socket.		
<b>Lens Drive</b>	Adjustable via menu between 3 – 12Vdc from receiver and remotely from configuration menu. Inching speed selectable via menu between 0 – 12V. 1 second inching built in. Provides drive for Zoom & Focus. Each lens drive carries RED and GREEN LEDs to indicate direction and drive voltage.		
<b>Preset Posoitioning</b>	Inputs are provided for pan, tilt, zoom & focus preset feedback pots. These are 10 bit resolution. Up to 32 full-scene presets can be stored within the receiver, i.e. pan, tilt, zoom, focus for each position.		
<b>Other Outputs</b>	Serial port available to drive advance features on selected cameras.		
<b>Boxed Dimensions</b>	Width:	380mm	
	Length:	190mm	
	Height:	130mm	
<b>Weight</b>	3Kg		
<b>Rating</b>	IP67		
<b>Temperature range</b>	-10C to +40C		

# **BBV**

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