

RX552 VCL RS485

compatible telemetry receiver



Application Notes

The RX552 is designed to control DC-operated, high and variable speed pan & tilt heads and domes via VCL twisted pair telemetry control systems operating on RS485.

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

- Up to 32 pre-set full scene positions.
- 8 local alarm inputs.
- Video launch amplifier provides loss compensation for optimum picture quality.
- Wide supply voltage range
- IP67 enclosure.
- 12Vdc camera supply provided.
- PAL/NTSC compatible.
- Iris override provided
- Inching function provides fine lens control
- Serial port for control of camera features.
- On screen display with programming menu.
- Simple to install. No specialised knowledge required.
- Remote configuration.

RX552



Technical Specification

Power Requirements	86 - 260Vac (24Vac supply option available early 2001)
Max Load	5A @ 230V
Receiver Current Draw	400VA max
Fuses	PSU fuse FS1 3.15A TR4 Auxiliary fuse F1 5A T 20mm
Outputs	Linear 0-24Vdc output for pan & tilt motor drive 24Vdc output for break drive motors Lens drive adjustable between 3-12 volt DC 150 mA max Single volt free normally closed output contact
Facilities	LED readout for continual system status. Programming menu with On Screen Display.
REMOTELY ADJUSTABLE	Video launch amplifier provided with cable length adjustment 12Vdc 750mA camera power provided. Colour coded outlets – live, neutral, earth, low voltage.
Telemetry Signal	RS485 – VCL compatible.
Auto Iris override/manual	Returns to original setting 15 seconds after key release. Level programmable from controller.
Video Input	1v p-p 75Ω terminated input via BNC socket.
Video Output	1v to 4v p-p 75Ω impedance via BNC socket.
Lens Drive	
REMOTELY ADJUSTABLE	Adjustable via menu between 3 and 12 volts. Inching speed selectable via menu between 0 - 100% of full lens speed. 1 second inching built in. Provides drive for Zoom & Focus. Each lens drive carries a bi-colour LED to indicate direction and drive voltage.
Presets	Inputs are provided for pan, tilt, zoom & focus preset feedback pots. These are 10 bit resolution. Upto 32 full-scene presets can be stored within the receiver, i.e. pan, tilt, zoom, focus.
Other Outputs	RS485 port available to drive advance features on selected cameras.
Boxed dimensions	Width: 380mm Length: 190mm Height: 130mm
Boxed weight	3.0Kg
Temperature range	-10°C to +40°C

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