

RX457 Telemetry Receiver



Application Notes

The RX 457 is designed to control fixed speed AC pan & tilt heads via GANZ 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

- Simply set up from the control unit, 32 full scenes are programmable. Positioning control of up, down, zoom and focus are available for each scene
- Built in launch amplifier provides cable loss compensation for optimum picture quality
- 230Vac operation with options for 24Vac or 110Vac.
- Inching function provides fine lens control
- Iris override provided
- IP67 enclosure.
- 12Vdc Camera supply provided.
- PAL/NTSC compatible
- 8 local alarm inputs and 1 alarm output minimises cabling requirements.
- Serial port for control of camera functions
- On screen display with menu programming
- Simple to install. No specialised knowledge required

RX 457



Technical Specification

Power Requirements	230Vac (110Vac or 24Vac option)
Max Load	5A @ 230V
Receiver Current Draw	24VA max
Fuses	Receiver fuse F1 3.15A TR4 Auxiliary fuse F2 5A T 20mm
Outputs	8 single pole relays (snubbed) 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
Facilities	LED readout for continual system status. Programming menu with On Screen Display.
<i>REMOTELY ADJUSTABLE</i>	Video launch amplifier provided with cable length adjustment 12Vdc camera power provided. Colour coded outlets – live, neutral, earth, low voltage. 24Vac output option available.
Telemetry Signal	2/4 wire BBV RS485.
Auto Iris Output	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	<i>REMOTELY ADJUSTABLE</i> 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 Rx457, i.e. pan, tilt, zoom, focus.
Other Outputs	Serial port available to drive advance features on selected cameras.
Boxed dimensions	Width: 380mm Length: 190mm Height: 130mm
Boxed weight	2.0Kg
Temperature range	-10°C to +40°C