



# RX400P Telemetry Receiver



## Application Notes

The RX400P Telemetry Receiver is ideal for controlling full function ac pan/tilt/zoom cameras in an external environment where accessories such as wiper, washer etc are the norm.

The RX400P offers up to 16 full scene presets. These may be used as a method of visually patrolling large areas of a site. They may be interlinked with detection devices in automated system designs. Presets effectively reduce reliance on the operator.

## Features

- Simply set up from the control unit, 16 full preset scenes are programmable
- Preset positioning control of up, down, zoom and focus are available for each scene
- No additional cabling required. Operates up to 250m of RG59 or up to 500m of CT125 standard coaxial cable
- Built in launch amplifier provides cable loss compensation for optimum picture quality
- Self tuning facility ensures reliable operation
- Various supply options, 24V ac/ 110V ac/ 230V ac (230V ac as standard)
- Operates on 20mA current loop as standard for situations where up-the-coax control is impractical
- Supports local diagnostics and test facility
- Auto iris override provides manual control of the lens iris from the keyboard
- Compact design allows various mounting options
- Auxiliary outputs available for additional functions, i.e. wash, wipe, lights & autopan
- Compatible with all BBV telemetry transmitters and other equipment using BBV up-the-coax telemetry
- Optional 24V ac output for low voltage heads



## Building Block Video Ltd

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# RX400P Telemetry Receiver



## Technical specification

Power supply	230V 50/60Hz, options for 110V ac or 24V ac supply		
Load	5A at 230V max		
Current	6VA max		
Aux output fuse	Supply	Output	
	230	230	
	230	24	
	110	110	
	110	24	
	24	24	
		Fuse F2	
		5A T	
		315mA T	
		5A T	
		630mA T	
		5A T	
Outputs	8 single pole change over relays (snubbed):		
	1. Left motor		
	2. Right motor		
	3. Up motor		
	4. Down motor		
	5. Autopan (interlocked with pan)		
	6. Lights (1kW max)		
	7. Wash		
8. Wipe			
Telemetry	Up-the-coax: RG59: 250m		
	CT125: 500m		
Auto iris output	Twisted pair: 20mA loop (1200, E, 8, 1)		
	Returns to original setting 15 seconds after key release		
	Level programmable from keyboard		
Video input	To drive override input for Cosmocar, or Seiko style lens		
Video output	1V p-p 75Ω terminated input via BNC socket		
Facilities	1V p-p to 4V p-p 75Ω impedance via BNC socket		
	Unit auto tunes to the coaxial telemetry signal		
	Diagnostic test switch activates each function for two seconds in turn		
	Video launch amplifier provided with Gain and Lift controls		
Lens drive	Camera power outlet provided		
	Adjustable, ranges between 3 – 12V		
	Inching speed adjustable control, one second inching built in		
Presets	Drives provided for Zoom, Focus and Motorised Iris		
	Each lens drive has 2 LEDs to indicate lens drive function		
Dimensions	Inputs provided for preset feedback pots		
	16 preset positions can be stored in the receiver. Each position consists of a complete view		
		RX400P	RX400P Boxed
	Depth	100mm	190mm
	Width	230mm (without IEC)	380mm
Height	38mm	130mm	
	Weight	0.5kg	
		2.5kg	



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