



RX300



Entry level control of AC Pan/Tilt & Zoom/Focus with 1 auxiliary output. Controlled by BBV up-the-coax and 20mA twisted pair.



Application Notes

The RX300 offers control of AC driven pan, tilt and zoom cameras, whether mounted externally or internally. The compact dimensions of the PCB allow it to be fitted within a camera housing as an alternative to the more usual weather-proof enclosure.

The auto iris override feature (with appropriate lenses) caters for difficult, mixed lighting conditions and greatly increases the system's ability to resolve reflective surfaces such as car number plates.

Features

- Simply set up from the control unit
- No additional cabling required. Operates up to 250mtrs of RG59 or 500mtrs of standard CT125 coaxial cable (assuming ideal conditions)
- Built-in launch amplifier provides cable loss compensation for optimum picture quality
- Self-tuning facility ensures reliable operation even when operating up to 500mtrs of CT125 coax cable
- Various supply options, 24Vac/110Vac/230Vac (230Vac as standard) Supports 20mA current loop as standard for situations where coax control is impractical
- Supports local diagnostics and test facility
- Auto iris override provides manual control of the lens iris from the keyboard a safety feature to protect the imaging device; automatically returns the lens to automatic operation 15 seconds after the manual control button is released
- Compact design allows various mounting options
- Auxiliary output available for additional functions i.e. wash, wipe or autopan
- Compatible with all BBV telemetry transmitters
- Random pan function which does not require an autopan card
- Optional 24Vac output for low voltage heads



Building Block Video Ltd.

17 Apex Park, Diplocks Way, Hailsham, East Sussex, UK BN27 3JU
Tel: +44 (0) 1323 842727 Support: +44 (0) 1323 444600
Fax: +44 (0) 1323 842728 Web Site: www.bbvctv.com



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Technical specification

Power supply	230V 50Hz, options for 110Vac or 24Vac		
Max load	5A at 230V		
Max current draw	6VA		
Fuses	Auxiliary fuse (F2) slow blow (rating dependent on supply and output voltage)		
Outputs	5 single pole change over relays (snubbed) 1. Left motor 2. Right motor 3. Up motor 4. Down motor 5. A single output, selectable as either wash, wipe, lights (1kW max) or autopan (requires autopan card in head) 6. Zoom drive 7. Focus drive 8. Iris override		
Features / options	Unit auto tunes to the coaxial telemetry signal LED readout for continual system status Diagnostic test switch (SW8) activates each function for 2 seconds in turn Video launch amplifier with gain and lift controls Camera power outlet provided Colour coded outlets - live, neutral and earth, low voltage 24V output option available from factory, plugs into J5 (pre wired)		
Telemetry signals	Up-the-coax FSK telemetry designed to operate up to 250mtrs of RG59 or 500mtrs of CT125 coaxial cable (assuming ideal conditions) or via twisted pair 20mA loop (1200baud, even parity, 8 data, 1 stop bit)		
Auto iris output	Returns to original setting 15 seconds after key release. Level programmable from keypad		
Video input	1v p-p 75R terminated input via BNC socket		
Video output	1v p-p to 4v p-p 75R impedance via BNC socket		
Temperature range	-10c +40c		
Installation	Supplied in a moulded polycarbonate box rated to IP67. The box has mounting holes allowing easy installation.		
Dimensions	Boxed PCB	Width 380mm Width 203mm without IEC inserted	Depth 190mm Depth: 108mm Height 130mm Height: 38mm above PCB
Weight		2.4Kg	PCB: 0.4Kg
Colour	RAL 7035		
Supply / output options	Part Code	Supply	Output
	RX300	230Vac	230Vac
	RX300/24	230Vac	24Vac
	RX300/110/110	110Vac	110Vac
	RX300/110/24	110Vac	24Vac
	RX300/24/24	24Vac	24Vac
	PCB version suffix:	/PCB	
	Boxed version suffix:	/WBX	Protection Rating: IP67



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