

Rx35X

Multiple Protocol AC Receiver



Application Notes

The Rx35X is a telemetry receiver with ac pan and tilt outputs. It supports RS485 Molynx D type telemetry and it allows entry level control of ac pan/tilt and zoom/focus with a wiper auxiliary output. 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 ability of the system to resolve reflective surfaces such as car number plates. The unit is suitable for 230V mains operation. As a factory fitted option, the receiver can be supplied to operate from 24Vac or 110Vac. This option must be specified at the time of order.

Features

- Simply set up from the control unit
- No additional cabling required. Supports BBV 485 Molynx D type telemetry
- Built in launch amplifier provides cable loss compensation for optimum picture quality
- Various supply options, 24Vac/110Vac/230Vac (230Vac as standard)
- 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 wipe function
- Receiver compatible with multiple video transmission standards



Building Block Video Ltd

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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 auxiliary wiper output
 6. Zoom drive
 7. Focus drive
 8. Iris override
- Features/Options**
- 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 J4 + J5 (pre wired)
- Telemetry signals**
- RS485 Molyx D type telemetry
- Auto iris output**
- Returns to original setting 15 seconds after key release.
 - Level programmable from keyboard
- Video input**
- 1V p-p 75Ω terminated via BNC socket
- Video output**
- 1V p-p to 4V p-p 75Ω impedance via BNC socket
- Temperature range**
- -10°C to 40°C
- Installation**
- Supplied in a molded polycarbonate box rated to IP67. The box has mounting holes allowing easy installation
- Dimensions**
- | | | |
|--------|---------|-------|
| | • Boxed | PCB |
| Width | 380mm | 203mm |
| Depth | 190mm | 108mm |
| Height | 130mm | 38mm |
| Weight | 2.4Kg | 0.4Kg |
- Colour**
- Plastic case in RAL 7035

Protocols supported by the RX35X:

BBV RS422 9600 N 8 1
Pelco P 9600, 4800 N 8 1
Pelco D 9600, 2400 N 8 1
Sensormatic RS422 4800 N 8 2

Molyx D Type Telemetry 9600 E 8 1
Vista RS485 9600 N 8 1
Vista RS485 19200 N 8 1
VCL RS485 9600 N 8 1



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