

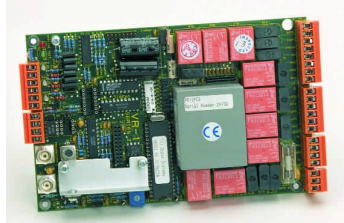
Videoswitch receivers are connected to Pan and Tilt Heads or Domes and allow the camera position to be remotely controlled. These receivers are compatible with all Videoswitch Transmitters and Multiplexers that support telemetry. The receivers provide variable speed Pan and Tilt control, Zoom, Focus, Iris and Auxiliary functions such as Wash, Wipe and Lamps. All set-up is from the transmitter.

VR-1 Receiver

AC Pan & Tilt Head Control
Zoom, Focus & Iris Control
5 Auxiliary Relay Outputs
Video Launch Amplifier
Colour over 1000m RG59
Coax Telemetry
Twisted Pair Telemetry
24Vac Option

Order Codes:

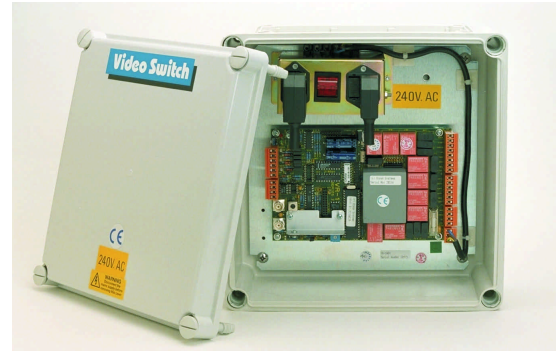
VR-1PCB
VR-1PM
VR-1WBX



VR-1PCB



VR-1PM



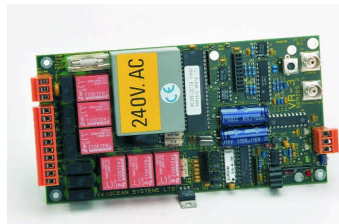
VR-1WBX

VR-3 Receiver

AC Pan & Tilt Head Control
Zoom & Focus Control
2 Auxiliary Relay Outputs
Coax Telemetry
24Vac Option

Order Codes:

VR-1PCB
VR-1PM
VR-1WBX



VR-3PCB



VR-3PM



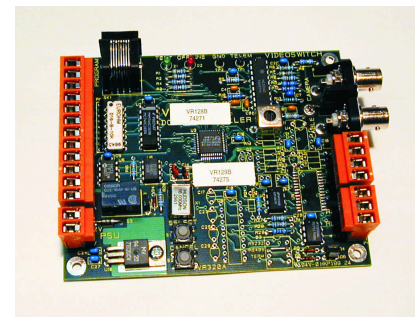
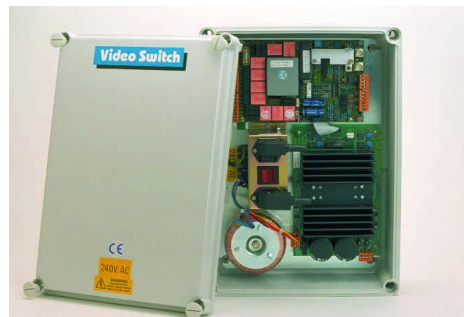
VR-3WBX

VR-5 Receiver

DC Pan & Tilt Head Control
Zoom, Focus & Iris Control
5 Auxiliary Relay Outputs
Video Launch Amplifier
Colour over 1000m RG59
Coax Telemetry
Twisted Pair Telemetry

Order Code:

VR-5WBX



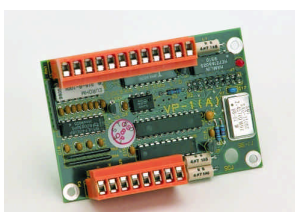
VR-6 Receiver

Dome Control
Zoom, Focus & Iris Control
2 Auxiliary Relay Outputs
8 Alarm Inputs
Coax Telemetry
RS485/RS422/RS232 Dome Output

Order Code:

VR-6PCB

VP-1



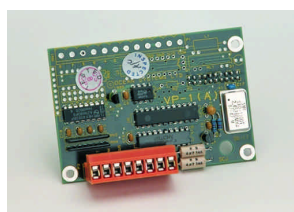
VP-1 Preset Module

8 Preset Positions
8 Alarm Inputs (VP-1A)
Use with VR-1, VR-3 and VR-5

Order Codes:

VP-1 (without Alarms)
VP-1A (with Alarms)

VP-1A



VR-1 Technical Data

Set-Up

All receiver setup functions (except address) are set from the transmitter

Video Inputs/Outputs

Composite 1V pk-pk PAL
 Termination VR-1 & VR-5: 75Ω, VR-3 & VR-6: Hi-Impedance, Video loops through to Transmitter

Control Functions

AC Pan & Tilt Outputs 230V AC (24 AC Option)
 DC Pan & Tilt Outputs 24V 2Amps DC
 Zoom, Focus & Iris Programmable Speed (3 - 12V DC, 200mA)
 VR-1 & VR-5 Auxiliary Relays AUX1 (lamp), AUX2 (alarms), AUX3 (wipe), AUX4 (wash), AUX5 (Autopan)
 VR-3 Auxiliary Relays AUX1, AUX3
 VR-6 Auxiliary Outputs AUX1, AUX3 (12V 100mA to drive external relay)
 Relay Contact Rating 230V AC 100W max

Telemetry Interface

Coax Telemetry (FSK) is sent via same co-ax that is used for video
 Twisted Pair Input RS232/RS485/RS422/20mA Current Loop, 7812 or 9600baud, 8 bits no parity, suitable for direct twisted pair link (eg. Belden 8723 up to 3km) or via Fibre-Optic, ISDN etc.
 Twisted Pair output 20mA Current Loop, 7812 or 9600baud, 8 bits no parity, output for daisy channing receivers
 Compatibility All Videoswitch Transmitters and Multiplexers with Telemetry Support

VR-6 Dome Interface

Compatibility Various makes, ask for details.

Co-ax Cable Length

VR-1, VR-5 1 km via RG59
 VR-3, VR-6 300 m via RG59

VP1 and VP-1A Preset Modules

Preset Inputs 0 - 5V into 1MΩ for Pan, Tilt, Zoom, Focus and Iris (auto detect)
 Resolution 10 bits
 Potentiometer Drive 0 and 5V (potentiometer may be in range 1KΩ to 50KΩ)
 Alarm Inputs (VP-1A only) Normally Open Contacts (10kΩ pull-up to 5V on each input)
 Alarm Output (VP-1A only) Normally Open Relay Contacts (normally connected to Transmitter)
 Preset Patrol Dwell Time 1 second to 4 minutes (set via Transmitter)
 Alarm Patrol Dwell Time 1 second to 4 minutes (set via Transmitter)

Weight / Dimensions

	<i>Unit</i>	<i>Packaged</i>
VR-1PCB	0.6kg / 200 x 120 x 30 mm	0.9kg / 250x 170 x 85 mm
VR-1PM	1.4kg / 220 x 125 x 35 mm	1.7kg / 250x 170 x 85 mm
VR-1WBX	3.4kg / 280 x 280 x 140 mm	3.6kg / 290x 285 x 190 mm
VR-3PCB	0.5kg / 200 x 120 x 30 mm	0.8kg / 250x 170 x 85 mm
VR-3PM	1.2kg / 200 x 120 x 30 mm	1.5kg / 250x 170 x 85 mm
VR-3WBX	2.2kg / 280 x 190 x 140 mm	2.5kg / 290x 285 x 190 mm
VR-5WBX	5.1kg / 380 x 280 x 140 mm	5.8kg / 385x 290 x 190 mm
VR-6PCB	0.1kg / 140 x 100 x 30 mm	0.4kg / 250x 170 x 85 mm
VP-1, VP-1A	0.1kg / 90 x 65 x 40 mm	0.4kg / 140x 100 x 80 mm

Power Input

VR-1, VR-3 230Vac Input (24Vac Option), 20W max
 VR-5 230Vac Input, 60W max
 VR-6 12Vdc, 0.4Amp max
 VP-1, VP-1A 5V, 100mA (from Receiver)

Environmental

Humidity (non-condensing) 5 to 95%
 Operating Temperature 0 to 40° C
 Storage Temperature -20 to 60° C

Included Accessories

User/Installation Manual
 Mating Connectors

Optional Accessories

HUB-1 for Star configuration when using twisted pair

Typical Configuration

