



# Telemetry Receivers

Uniclass L7626	EPIC M231
CI/SfB (64.11)	X

Setting the standard for advanced  
Telemetry Control



# Setting the standard for advanced Telemetry Control



Bewator's Molynx Telemetry Protocol has long been recognised as one of the world's most advanced formats for telemetry controls. We capitalised on our vast experience in this specialised field to bring you a new generation of

telemetry receivers, specially designed to meet the challenges of today's CCTV systems.

In addition to the revolutionary RX3 multi-protocol receiver, bewator offers a full range of AC and DC fixed and variable speed models. All are available with over-the-coax and twisted pair RS 485 operation to facilitate easy installation.



Town and City Centres



Retail & Commercial Buildings



Airports and Mass Transit



Public places & Buildings / Leisure Areas



Chemical and Petrochemical



High Security Buildings



Asset Surveillance



Crime Control



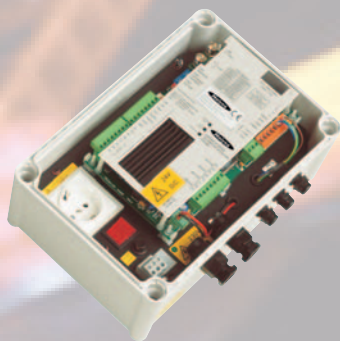
Public Security

## Industry Standard Receivers

### RX217D - 17 function receiver with variable speed

#### for DC preset Pan & Tilt heads

- 99 presets for precise targeting of views triggered by alarm activation
- Variable speed allows for control
- Rapid response and tracking capability
- Maximum speed is proportional to the degree of zoom
- Receiver automatically finds pan, tilt, zoom, focus end stops
- Compatible with continuous rotation Pan & Tilt heads
- 2 wiper pan position feedback for shortest route to scene.
- Improved response times to alarm events
- Preset 'dead zone'
- Ideal for use in town centres stadia, prisons, etc.
- 'C' or 'D' type telemetry (see below)



### RX217 - 17 function receiver for fixed speed AC preset Pan & Tilt heads

- 99 presets for precise targeting of views triggered by alarm activation
- Receiver automatically finds pan, tilt, zoom and focus end stops
- Compatible with all current Bewator telemetry controllers
- Ideal for industrial & commercial security applications
- 'C' or 'D' type telemetry (see below)



### RX210 - 10 function receiver for fixed speed AC Pan & Tilt heads

- Can fit in camera housings (board only option).
- All functions can be activated at the receiver for test purposes
- Typically used in petrol stations, retail and light commercial applications
- Pan, Tilt, Zoom, Focus
- Two installer configurable functions e.g. wash & wipe or lamps / auxiliary
- Auto-Iris lens required
- 'C' or 'D' type telemetry



### Telemetry Interface Options 'C' & 'D' type

Two options are available for the telemetry connection to the controller:

#### • 'C' Type (coaxial)

Video and telemetry signals travel down the same coaxial cable in different directions, at different frequencies. It can operate at distances of up to 500m, depending on the cable specification

#### • 'D' Type (twisted pair)

Telemetry signals are transmitted over a twisted pair cable and can operate up to a distance of 3km, with suitably rated cable. 'D' type telemetry interfaces conform to RS485 and are compatible with a wide range of fibre optic, microwave and other transmission equipment.

- All Bewator receivers are now supplied with both as standard.

All receivers are available as PCB only option

# Setting the standard...

## RX3: Enhanced Multi-protocol Receiver with Privacy Functions

- 99 Presets
- Includes 62 dynamic privacy zones
- Allows remote programming, using on-screen menus
- Gives operators a high degree of positional controllability
- Video HF lift control
- Video Loss detection
- 3 or 4 wire lenses
- Diagnostics
- NTSC supported
- Easy to install
- Offers high reliability
- Self-test and configuration facilities
- On-screen diagnostics including receiver address display
- Option for alarm inputs to be wired directly into the receiver
- Inputs and outputs are protected against over-voltage and wiring faults



Variable speed for DC preset  
Pan & Tilt heads with privacy zones

Approved by Petards as a replacement for the 150 Receiver, RX3 now includes Universal protocol. It supports bi-directional telemetry, allowing remote alarms to be sent back to the controller, either over the coax or using twisted pairs.

### Easy-to-program Privacy Zones



Privacy zones are ideal to secure commercial buildings in areas where private housing is also present.

Few manufacturers offer fully flexible, easy-to-program privacy zone options. Most require extensive engineer training and much wasted valuable time on site.

RX3 lets you program privacy zones quickly via an easy to follow, on screen menu. You can create a zone as big or small as you need, and also choose the degree of opacity of that zone, varying it where necessary.



### Multi-Protocol Support

The receiver will automatically optimise its drive characteristics to suit the P&T head it is controlling, removing the necessity to order various versions of Software to control different P&T heads.

RX3 can be controlled by equipment using **Ernitec ERNA, Pelco D, Pelco P** and **Videmech Universal** protocols.

### Straight forward installation

Rx3 provides clearly marked terminals for every individual function. The receiver layout makes cabling straight forward, reducing installation time and improving reliability.



# Receivers selection guide

		RX210	RX217	RX217D	RX318DZ
<b>Pan &amp; Tilt Voltage</b>		230-240V AC	230-240V AC	24V DC	24V DC
<b>Dynamic Variable Speed Control</b>				10:1	100:1
<b>Continuous Pan Rotation</b>				•	•
<b>Zoom &amp; Focus Voltage</b>		12V DC	12V DC	12V DC	12V DC
<b>99 PTZ Presets</b>			•	•	•
<b>Iris control</b>			•	•	•
<b>Dynamic Privacy Zones</b>					<b>62</b>
<b>Wash &amp; Wiper Capability</b>		•	•	•	•
<b>Telemetry</b>	Over the Coax	Uni-directional	Uni-directional	Uni-directional	Bi-directional
	Twisted pair	Uni-directional RS485	Uni-directional RS485	Uni-directional RS485	Bi-directional RS485 or RS422
<b>High Current IR Light</b>				Optional	Optional
<b>Spare Aux</b>		•	•	•	•
<b>Video Gain &amp; HF lift</b>					•
<b>On-screen setup</b>					•
<b>Alarm Inputs</b>					•
<b>Alarm Outputs</b>					•
<b>Auto Test</b>		•	•	•	•
<b>Telemetry Protocols</b>					
<b>Molynx</b>	Coax or Twisted Pair	•	•	•	•
<b>Videmech Universal (UP)</b>	Twisted pair				•
<b>Ernitec (ERNA)</b>	Twisted pair				•
<b>Pelco D</b>	Twisted pair				•
<b>Pelco P</b>	Twisted pair				•
<b>JVC Camera Setup</b>				TK-C1360	TK-C1360/1460/1480
<b>Power consumption of receiver</b>		20VA	20VA	20VA	30VA
<b>Maximum load current</b>		5A	5A	5A	5A
<b>Dimensions</b>	Length	220mm	254mm	280mm	300mm
	Width	166mm	164mm	210mm	300mm
	Height	86mm	135mm	135mm	130mm
<b>Unit weight</b>	PCB	80g	500g	500g	350g
	Enclosure	1.5kg	1.75kg	1.75kg	5kg
<b>Temperature range</b>		-20°C to +40°C	-20°C to +40°C	-20°C to +40°C	-20°C to +40°C
<b>Environmental (BS EN 60 529)</b>	in enclosure	IP55	IP66	IP66	IP67
	in housing	IP66			
<b>Power supply</b>	in enclosure	230-240V AC	220-230V AC	230-240V AC	230-240V AC
	in housing	110-240V AC			
<b>Warranty</b>		1 Year	1 Year	1 Year	5 years*

\* Extended Warranty. Conditions apply

## Accessories

RX3-TKIT	Tamper switch kit for RX318DZ
RX3-AKIT	Alarm input PCB - 5 pairs of configurable N/C or N/O voltage free contacts
RX3-IRKIT	Solid state relay kit 230Vac, 15A switching. Suitable for IR lamps
RX3-150KIT	RX3 upgrade kit for Videmech 150MK3/Petards V1500P receiver. Allows existing weather-proof enclosure and power supply to be re-used
RX2-PCBC	C'-type telemetry input module for RX2xx receivers
RX2-PCBD	D'-type telemetry input module for RX2xx receivers
RX2-PCB234	Adaptor PCB for 3-wire lenses with RX2xx receivers
RX217D-JVC14 KIT	JVC 1460/1480 remote cameras set up kit ('D'-type telemetry only)
RX2-E	Euro socket adaptor for RX217/RX217D receivers



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