

R131VX Variable Speed Telemetry Receiver

The Ernitec R131VX LON® based telemetry receiver is designed for control of a range of variable speed DC pan/tilt heads and motorised zoom lenses.

The telemetry receiver converts the data signals from the System-X keyboard into control voltages operating pan/tilt heads and zoom lenses. The advanced R131VX DC telemetry receiver offers a range of features making the daily operation easy and very fast. 128 pre-defined camera positions and 4 individual guard tours can be selected very quickly.

The advanced telemetry receiver features:

- Variable speed pan and tilt
- Control of zoom, focus and iris
- 128 pre-positions
- 4 guard tours each with 30 steps
- Home function
- Auto pan with selectable speed
- 4 privacy zones
- 6 auxiliary relay outputs
- Control of a range of pan/tilt heads
- Built-in camera power supply
- Triple speed zoom/focus control

**Functions****Privacy Zones**

The receiver can be programmed with up to 4 privacy zones. The privacy zone will prevent the operator from viewing unauthorised areas, such as nearby residential buildings. If the operator tries to move the camera into a privacy zone, the receiver will automatically move the camera out of the zone at the highest possible speed.

The privacy zone is three-dimensional, meaning that it is dependent on both the pan, tilt and zoom positions. This allows the operator to zoom in on an area very close to the privacy zone without being able to see the privacy zone when zoomed out.

Support for Wide Range of Pan/Tilt Heads

The receiver can control a wide range of different pan/tilt heads from a number of manufacturers. This makes it possible to choose the pan/tilt head that is most suitable for the application. The choice of pan/tilt head is done by a simple "drop-down" list in the set-up software.

Programmable Guard Tours

The receiver can be programmed with up to four guard tours of 30 steps each. Each step is programmed with a given pre-position, an AUX output to be activated and a dwell time between 0 and 255 sec. Furthermore, the speed between each pre-position can be programmed. This allows the programming of a guard tour that can follow e.g. the contour of a building.

Home Function

If the telemetry receiver is not operated for a certain period of time, it can be programmed to either go to a pre-defined pre-position, start a guard tour or start to auto-pan.

Alarm Handling

The R131VX can be programmed to handle up to 32 alarms from different sources. Typically the alarms will come from the System-X alarm boxes. The alarm handling includes going to any of the 128 pre-positions and activating any of the 6 AUX outputs.

Camera Power Supply

The telemetry receiver features a built-in camera power supply capable of providing 12 VDC /800 mA to a camera. The power supply can also be used for other devices such as the Ernitec range of outdoor PIRs.

AUX Outputs

The receiver has 6 AUX relay outputs. Each of these can be programmed individually to operate as latched or non-latched as well as Normally Open (NO) or Normally Closed (NC). When programmed for latched operation, it is possible to set a time-out between 1 sec. and 12 hrs in steps of 1 sec. This can be used to prevent e.g. a gate from remaining open, should the operator forget to close it.

Triple Speed Zoom and Focus Control

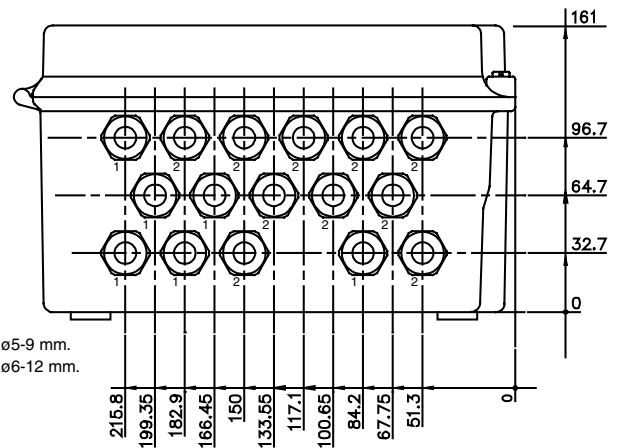
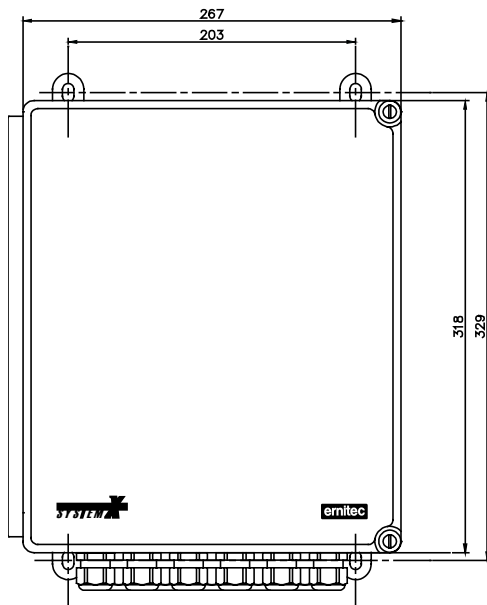
The receiver can be programmed to either 6, 9 or 12 V control of the zoom and focus. This will provide different speeds for the two functions.

Specifications

Interfaces	
Network interface	LONWORKS® 78 kbit/s FTT-10A
Functions	
Prepositions	128
Guard tours	4 guard tours of 30 steps each
Privacy zones	4
Home function	Pre-position, guard tour, auto-pan
Home function timeout	1 to 6553 sec. (109 min., 13 sec.) in steps of 1 sec.
Zoom and focus control voltage	Programmable to 6.9 or 12 V
AUX Outputs	
Number of outputs and type	6 relays
Max. Voltage	250 VAC
Max. Current	5 A
Function	Programmable latched or non-latched, NO or NC
Time-out in latched mode	Programmable from 1 sec. to 12 hrs. in steps of 1 sec.
Pan/tilt heads	
Compatible pan/tilt heads	Ernitec MPT-5P Conway C2020 Shawley Prince 165 Videmech 555P Moynx PT12 Mustang
Preposition accuracy	< 1° with Ernitec MPT-5P

Specifications (con'd)

Camera power supply	
Output voltage	12 VDC regulated
Current	800 mA
Environmental specifications	
Power supply	115/230 VAC $\pm 10\%$, 45 – 60 Hz
Operating temperature	-15°C to +55°C
Humidity	< 85%
IP rating	IP 65
Box material	Moulded fibreglass polyester
EMC	EN 50081-1, EN 50130-4
Safety	EN 60950
Weight	5.2 kg
Dimensions (D x H x W)	161 x 318 x 267 mm (excl. cable glands) Please also refer to drawing.
Cable glands	6 pcs. M20 5-9 mm, 10 pcs. M20 6-12 mm



Type 1: Cable diameter ø5-9 mm.
Type 2: Cable diameter ø6-12 mm.

LONWORKS, also known as LON, is a communication network. As opposed to TCP/IP (Ethernet), LONWORKS is designed for control applications such as building automation, transportation, home automation, security and other systems. For more information about LONWORKS, please refer to www.echelon.com.

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