

Telemetry Receivers

ernitec

The series BDR-510 & BDR-550

The Ernitec series BDR-510 Telemetry Receivers receive and present commands over a twisted pair cable, to pan/tilt units, motorised lenses and auxiliary equipment (lights, gates etc.). Fitted with power supplies and housed in IP-rated, weatherproof boxes, the Telemetry Receivers are available with video transmitters for twisted pair cable and Power Supply for 24 VAC pan/tilt. As many as 64 Telemetry Receivers can be connected on a single line up to 1200 metres apart. In the event of local power failure the station is by-passed, allowing communication to the other units.

The Ernitec series BDR-550 are advanced Telemetry Receivers and share the features of Series BDR-510, while providing: Text insertion and the opportunity to programme up to 30 separate pre-positions for pan, tilt, focus and

zoom. Sequences of any 30 of the pre-positions are programmable. A handy Service Keyboard is included to facilitate testing during installation.

Features

- Galvanic separation of video and control
- 255 units on one twisted pair line (BDR-550)
- Versions with text and 30 pre-position memory
- Versions with 2 - 6 auxiliary relay output
- Supplied in IP 65 rated box fitted with power supply



BDR-510



BDR-550

Specifications

	Version	Basic					Advanced	
		510/2	511/2	512/2	513/2	514/2	550/2	551/2
Inputs	ERNA Control RS-485	2.5 – 12 Vpp						
	Video level	N/A		1 Vpp		N/A		1 Vpp
	Video impedance	N/A		75 Ohm		N/A		75 Ohm
	Feedback voltage P/T/Z/F	N/A						
Output	ERNA RS-485 (control)	6 Vpp						
	Video level balanced	N/A		2 – 5 Vpp		N/A		2 - 5 VPP
	Video impedance balanced	N/A		124 Ohm		N/A		124 Ohm
	Reference voltage for pot.	N/A						
Functions	Pan/tilt voltage	115/230 VAC	24 VAC	115/230 VAC	24 VAC	-	230 VAC	24 VAC
	Camera PSU, 12VDC/350mA						•	•
	Pan/tilt	•	•	•	•	-	•	•
	Zoom/focus/iris	•	•	•	•	•	•	•
	Auxiliary relays	2	2	2	2	6	6	6
	Pre-positions						30	30
	Pre-positions sequence						•	•
	Auto panning							
	Text insertion						•	•
	Galvanic separated output (video)			•	•		•	•
	Unbalanced output 1 – 2.5 Vpp (video)						•	•
	ERNA RS-485 by-pass relay	•	•	•	•	•	•	•
	General	Temperature range	- 15°C – 55°C					
Mains		Selectable 115/230 VAC					230 VAC (also available in 115 VAC)	
Power consumption		5 VA	35 VA	10 VA	35 VA	5 VA	20 VA	60 VA
Dimensions, see below		♦		♦♦		♦	♦♦♦	
Weight		1.2 kg	3.1 kg	2.6 kg	3.1 kg	1.2 kg	6.8 kg	7.6 kg
Protection		IP 65						
Approvals		EN50081-2, EN50082-2, EN60950						
Accessories	Service keyboard	N/A					Included	
Dimensions in mm:		H x W x D						
	♦	160 x 250 x 90						
	♦♦	230 x 300 x 85						
	♦♦♦	300 x 300 x 120						



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