

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		
		Type (BDR-)	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							0 – 5 VDC
Output	ERNA RS-485 (control)	6 Vpp							12 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							5 VDC
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							



Denmark Head Office
 Ernitec A/S
 Hørkær 24
 2730 Herlev
 Denmark
 Phone: +45 44 50 33 00
 Fax: +45 44 50 33 33
 ernitec@ernitec.dk
 www.ernitec.com

French Branch Office
 Ernitec France
 N° 29 Parc Club du
 Millenaire
 1025 Rue Henri Becquerel
 34036 Montpellier cedex 1
 France
 Phone: 04 67 15 10 15
 Fax: 04 67 64 01 81
 ernitec@ernitec.fr
 www.ernitec.com

German Branch Office
 Ernitec GmbH
 Stormarnring 28
 22145 Stapelfeld
 Germany
 Phone: 040 67 56 25 0
 Fax: 040 67 56 25 25
 ernitec@aol.com
 www.ernitec.com

UK Branch Office
 Ernitec UK
 Columbia House
 Columbia Drive
 Worthing
 West Sussex BN13 3HD
 England
 Phone: 01903 26 31 25
 Fax: 01903 26 31 26
 sally@ernitec.co.uk
 www.ernitec.com

Middle East Office
 Ernitec ME
 Hamra - Makdesi Street
 Younis Center - 5th floor
 Office no. 503
 P.O.Box: 113/5721
 Beirut
 Lebanon
 Phone: +961 1 751 796
 Fax: +961 1 751 795
 malek_kabrit@ernitecme.com
 www.ernitecme.com