

# Ernitec to Panasonic Dome Protocol Converter



The protocol converter provides an interface between the Ernitec 500M/1000M video matrix range and the Panasonic WV-CS850 series dome. The two devices use different protocols and the converter adapts one to the other.

The protocol converter can control up to 16 Panasonic domes. The protocol converter supports the major functions of the Panasonic dome such as pan/tilt/zoom, focus, call and store pre-positions as well as access to the set-up menus.

Type	Description
DPC-PANA	Ernitec to Panasonic protocol converter, address range 1 to 16

Other address ranges are available, please contact Ernitec if you require this.



View of Panasonic Protocol Converter

## Specifications

<b>Interfaces, Ernitec side</b>	
Electrical interface	2-wire RS-485
Protocol	ERNA
Connector type	
<b>Interfaces, Panasonic side</b>	
Electrical interface	2-wire RS-485
Protocol	Panasonic conventional protocol
Supported dome types	WV-CS850
Connector type	RJ-45
<b>Other specifications</b>	
Maximum number of domes	20
Address range	1 to 16 (others available on request)
Functions supported	Pan, tilt, zoom, focus, iris, AUX1 on/off, AUX2 on/off, select manual colour/monochrome, select auto-switch colour/monochrome, call pre-position 1 to 64, store pre-position 1 to 64, set right and left limit for auto-pan, start auto-pan, switch D2 on/off, access to set-up menu.
<b>Environmental</b>	
Power supply	9 to 12 VDC 80 mA, 230 VAC with included external power adapter
Enclosure	IP42 / Class III
Operating temperature	0°C to +50°C
Storage temperature	-40°C to +70°C
Humidity	Max. 80% non-condensing

## Specifications (con'd)

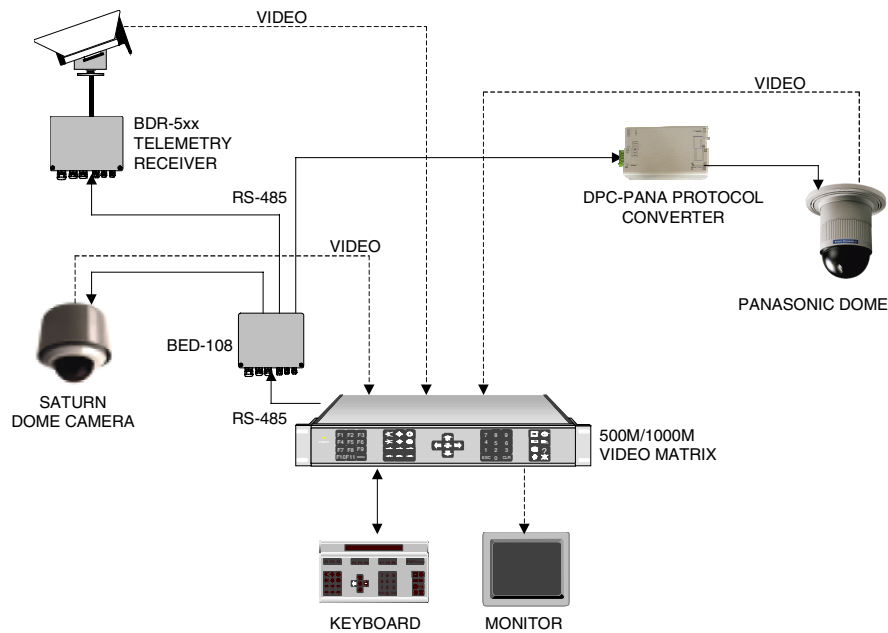
EMC and safety	EN 50081-1 stray emission EN 55022 Cl. B EN 50082-2 noise immunity EN 50130-4 EN 61000-4-2.-3,-4,-5,-6 EN 50204
Weight	0.1 kg.
Dimensions (W x H x D)	100 x 30 x 58 mm

## Applications

The protocol converter can be used for controlling up to 16 Panasonic domes in the address range from 1 to 16. The protocol converter can be connected to the serial port on a matrix through a BED-108 data distribution box. This allows a combination of Panasonic domes and Ernitec BDR-5xx telemetry receivers and Saturn dome cameras to be used simultaneously.

### Basic connection to Panasonic domes

Please be aware that due to limited capacity on the RS-485 interfaces, there may be problems in controlling the domes when multiple operators use manual control simultaneously. Please contact Ernitec for further information.



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