VP-RS2BLNX Protocol Converter

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- RS-232 and RS-485 to Bilinx converter
- Compatible with Dinion, Dinion^{XF}, Autodome cameras
- Robust design
- Wide-range power supply

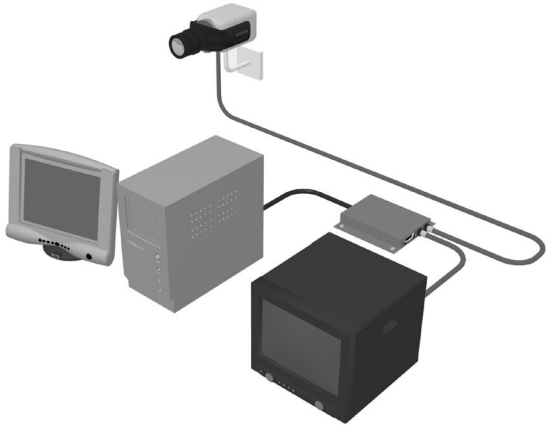
The VP-RS2BLNX is a protocol converter that allows the integration of remotely accessible cameras for control and set-up into an (existing) RS-232 or RS-485 infrastructure.
When connected to Bosch cameras with Bilinx capabilities, the VP-RS2BLNX converts RS-232 or RS-485 messages into Bilinx communication data. In this way, Bosch cameras with Bilinx can be controlled directly from computers, digital recorders or video management systems.
The VP-RS2BLNX is suitable for use with Dinion, Dinion^{XF} and all Bilinx-enabled AutoDome cameras. Applications typically include Traffic Management systems and Video Content Analysis systems where the camera performance needs to be optimized during operation.

Certifications and approvals

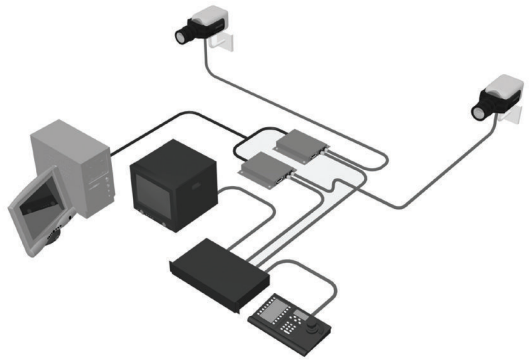
Safety	UL 60950-1; EN50950-1 (CE)
Immunity	EN50130-4 (CE)
Emission	EN55022 Class B (CE) EN61000-3-2 (CE) EN61000-3-3 (CE)

Region	Certification	
Europe	CE	Declaration of Conformity

Installation/configuration notes



RS-232 configuration example



RS-485 configuration example

Technical specifications

Electrical

Power	12-28 VAC (50/60 Hz) and 12-40 VDC (polarity independent). Galvanically insulated from video, RS-232 ground and casing.
Speed	
RS-485	9600 baud
RS-232	9600 or 4800 baud selectable
Video connectors	BNC connections, passive loop through, high impedance, Video input 1 Vpp nominal, 2 Vpp max.
Protocol	The serial protocol is described in the Serial Protocol Description. This document is available upon request from Bosch Security Systems.
Dimensions (L x W x H)	88.5x100x28 mm (3.38x3.94x1.1 inch)
Temperature range	
Operating/storage	-20 °C to +50 °C (-4 °F to 122 °F)

Comparison table

	Min.	Typ.	Max.	Unit
Power supply input voltage AC	10.8	-	28	V
Power supply input voltage DC	10.8	-	40	V
Power consumption	-	1.3	2	W
RS-232				
Input voltage operating range	-24	-	24	V
Input logic threshold LOW	0.8	1.2	-	V
Input logic threshold HIGH	-	1.7	2.4	V
Input hysteresis	0.2	0.5	1	V
Input resistance	3	5	7	Kohm
Output voltage swing (with 3 kOhm load)	-7.8	-	7.8	V
Output resistance	400	-	-	ohm
Data rate	4.8	9.6	-	Kbits/s
RS-485				
Input voltage operating range	-7		12	V
Differential input logic threshold LOW	-	-0.2	-	V
Differential input logic threshold HIGH	-	0.2	-	V
Differential input hysteresis	-	70	-	mV
Input resistance	24	-	-	Kohm
Differential output (no load)	-	-	5	V
Common-mode output (load = 50 ohm)	-	-	3	V
Data rate	-	9.6	-	Kbit/s

Note: For RS-485 communication, a maximum of 64 transceivers is permissible on a single bus.

Ordering information

VP-RS2BLNX Protocol Converter
RS-232 / RS-485 infrastructure, Bilinx to USB adaptor for use with configuration tool for dome/cameras.
Order number **VP-RS2BLNX**

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