



## VP-RS2BLNX Protocol Converter



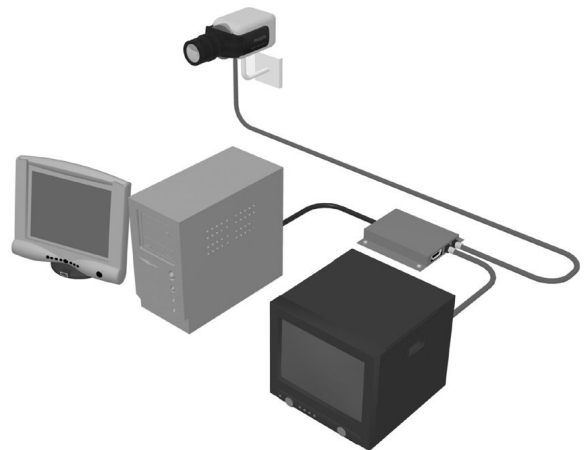
- ▶ RS-232 and RS-485 to Bilinx converter
- ▶ Compatible with Dinion, Dinion<sup>XF</sup>, Autodome cameras
- ▶ Robust design
- ▶ Wide-range power supply

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<sup>XF</sup> 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.

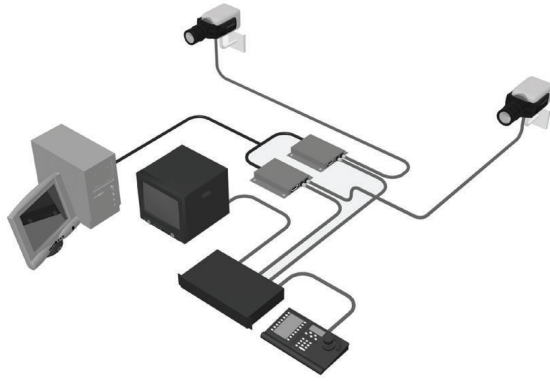
### Installation/Configuration Notes



*RS-232 configuration example*

### Certifications and Approvals

Region	Certification	
Europe	CE	Declaration of Conformity
Safety	UL 60950-1; EN50950-1 (CE)	
Immunity	EN50130-4 (CE)	
Emission	EN55022 Class B (CE) EN61000-3-2 (CE) EN61000-3-3 (CE)	



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.
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**Speed**

RS-485	9600 baud
RS-232	9600 or 4800 baud selectable

<b>Video connectors</b>	BNC connections, passive loop through, high impedance, Video input 1 Vpp nominal, 2 Vpp max.
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<b>Protocol</b>	The serial protocol is described in the Serial Protocol Description. This document is available upon request from Bosch Security Systems.
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<b>Dimensions (L x W x H)</b>	88.5x100x28 mm (3.38x3.94x1.1 inch)
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**Temperature range**

Operating/storage	-20 °C to +50 °C (-4 °F to 122 °F)
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**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

	Min.	Typ.	Max.	Unit
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.

**VP-RS2BLNX**

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