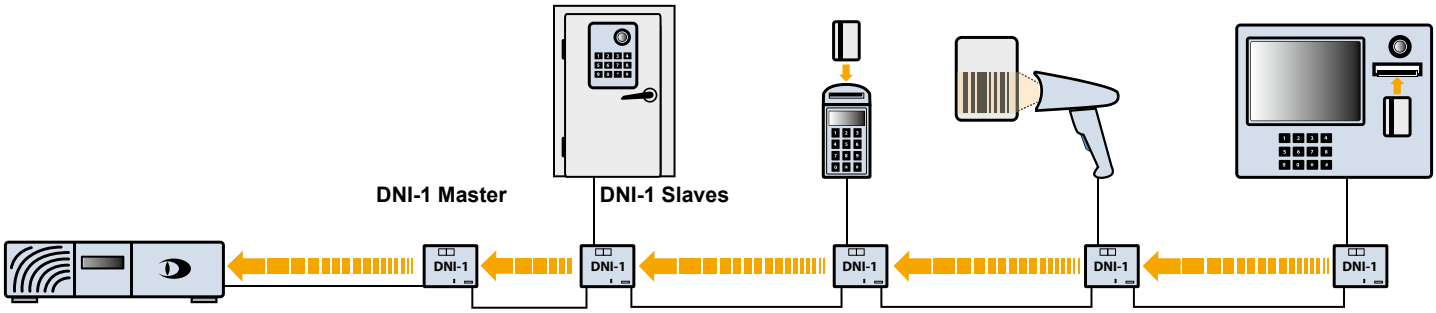
DNI-1

Data Interface for the Connection of external Systems to Recorders, RS-232, RS-422, RS-485

DNI-1 Basic Set

DNI-1/E Extension Set

The **DNI-1** is an interface for serial data transmission between **external systems** and **Dallmeier recorders**.



The DNI-1 standard version can be configurated with the in recorder integrated protocols for the connection of **various access control systems, card readers, scanners, ATMs, PTZ dome cameras, control desks** and **cash registers**. In addition, the connection of further systems can be realised through adaption and integration of corresponding interface protocols at any time.

Please mind that for the connection of **Scheidt & Bachmann and Huth/Ratio cash registers** two special verions of the DNI-1 are available.

- Standard version for access control system, card reader, scanner, ATMs, PTZ dome cameras, control desks and cashpoints
- Protocol data integrated in recorder software
- Configuration with protocol data with user interface of the recorder software via Ethernet
- Special version for Scheidt & Bachmann and Huth/Ratio cash registers
- Galvanic separated conections of external systems up to 1 kV
- Power supply of DNI slaves via data cable
- Fast and easy cabling through D-SUB and RJ45 sockets
- Length of cabling supported up to 1200 m
- Brackets for mounting on walls included

Variants	
000139	**DNI-1 Basic Set** Basic set (2× DNI-1) for connection of external systems
000141	**DNI-1/E Extension Set** Extension set (1× DNI-1) for the connection of external systems
003479	**DNI-1 Basic Set Scheidt & Bachmann** Basic set (2× DNI-1) for connection of Scheidt & Bachmann cash registers
003452	**DNI-1/E Extension Set Scheidt & Bachmann** Extension set (1× DNI-1) for connection of Scheidt & Bachmann cash registers
003453	**DNI-1 Basic Set Huth/Ratio** Basic set (2× DNI-1) for the connection of Huth/Ratio cash registers
003454	**DNI-1/E Extension Set Huth/Ratio** Extension set (1× DNI-1) for the connection of Huth/Ratio cash registers

Services	
000616	**DNI Protocol Adaption**
000617	**DNI Protocol Adaption (Dome - INI)**
000618	**DNI Protocol Adaption (Dome - DNI)**
000619	**DNI Protocol Adaption (Keyboard Transparent Mode)**
000620	**DNI Protocol Adaption (Dome Keyboard - DNI/IN Extension)**
000621	**DNI Protocol Adaption (DNI Data Overlay, Regular Effort)**
000622	**DNI Protocol Adaption (DNI Data Overlay, High Effort)**

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Specifications

External Interfaces

RS232	9 pole D-SUB connector
RS422	5 pole plug connector
RS485	5 pole plug connector
Range (RS232)	15m

DNI-Network Interfaces

RS485	2× RJ45
RS485	3 pole plug connector
Range	1000 m

Electrical Data

Galvanic separation	Max. 1 kV
Power supply	12V DC
Power input	Approx. 100 mA

Mechanical Data

Material	Plastic
Dimensions (W × H × D)	Approx. 85 × 28 × 79 mm (33.5 × 11 × 31.1 inches) except connectors and plugs
Weight	Approx. 150 g (0.33 lb) without power supply

Ambient Data

Temperature	+5°C up to +40°C (41°F – 104°F)
Recommended temperature	+20°C up to +25°C (68°F – 77°F)
Humidity	5 – 70% RH, non-condensing

Approvals and Certifications CE

Supported Manufacturers

The following table provides an overview of manufacturers, whose devices are already supported partly with adapted protocols. Please refer to the detailed and currently updated information in the Dallmeier Partnerforum:

Partnerforum > Software-Downloads > DNI

PTZ Dome Camera	Control Desks	Access Control Systems	ATMs
American Dynamics	BBV	AHB	APBI
Argovision	Ernitec	Bewator	DeLaRue
BBV	Forward Vision	Compio	Dreba
Dennard	VC	EDS	Fiduzia AgreeSB
Elbex	Mark Mercer-	InfoControl	IBM
Ernitec	Pelco	Kebin	NCR
Fastrax	Pelco	Miniter	Rondo
Forward	Ultrak	Portachec	SNI
JVC	VCL	Tesk	Wincor Nixdorf
Mark Mercer	Videotec		
Maxcom	Vista		
Panasonic			
Pelco			
Philips			
Samsung			
Sanyo			
Ultrak			
VCL			
Videotec			
Vista			

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