



2N® Helios IP Video Kit

Video surveillance for any device



Give your customers full visual control



Imagine a visitor to a shopping centre stuck at the car park exit because he overstayed the allocated time limit. In this difficult situation, he would undoubtedly be grateful for the ability to contact a competent person directly from the device he is standing next to. The car park attendant would also be able to see the whole situation on his video telephone display or computer, helping him prevent the customer from driving away without paying.

The ideal solution for situations like this is the 2N® Helios IP Video Kit OEM intercom, mounted by the car park exit ramp. Its features will expand the functionality of your device, giving it video and audio communication capability, putting you way ahead of your competitors.

The 2N® Helios IP Video Kit has several sophisticated software functions, which can be easily set up to complement your current system as effectively as possible, offering your customers the highest comfort. Two analogue cameras, buttons, keyboards, LED indicators, a microphone and speaker or even headphones can all be easily connected, for reliable video surveillance.

Why to choose the 2N® Helios IP Video Kit?

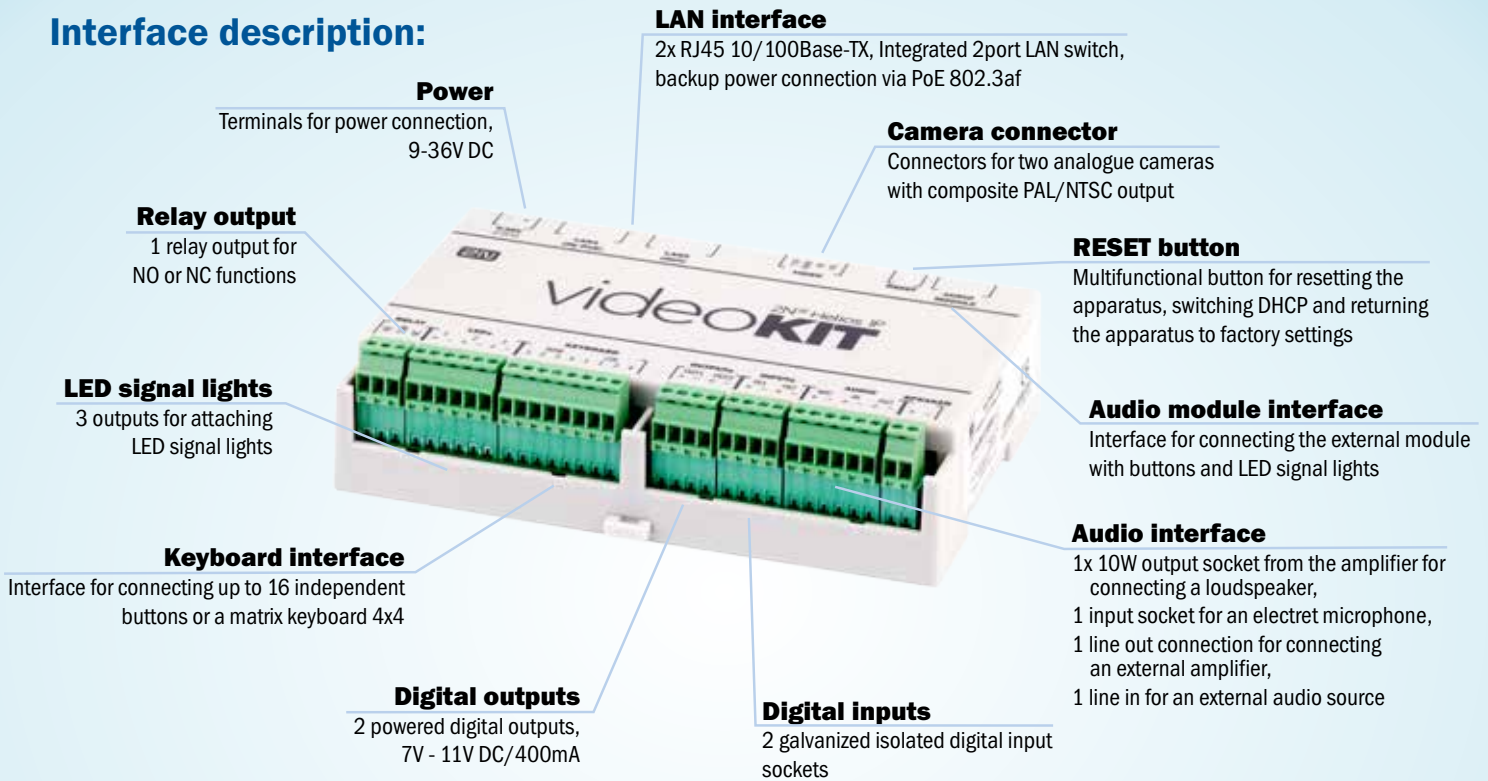
- VoIP communication via SIP 2.0
- Installation and set up via web interface
- Use of LAN/WAN networks
- Integration with video surveillance systems via ONVIF
- Inputs and outputs for on-site control
- Power supply via adapter or PoE

Use:

- Parking systems
- Information points
- Emergency communication points
- Industrial furnishings
- Cash dispensers



Interface description:



Accessories possible:



Illuminated button



Microphone



Loudspeaker



Wall-mounting bracket or on DIN rail

Technical parameters:

Protocols supported	
	SIP 2.0 (UDP), ONVIF
Audio stream	
Protocols	RTP/RTSP
Codecs	G.711
Volume control	adjustable with automatic adaptive settings
Full duplex	Yes (AEC)
Power source	
From external source	Type 12V DC (9 - 36V DC), max. 2A
PoE	802.3af (Class 0 - Max. 12.95W)
LAN interface	
Number of LAN interfaces	2 (LAN1 and LAN2)
PoE	802.3af only on LAN1
Parameters	10/100BASE-TX with Auto-MDIX, RJ-45
Recommended cable sizes	Cat-5e or better
Audio interface	
Microphone input	Normal electret microphone
Amplifier output	Class D amplifier, MONO output socket, THD < 1%
	Max. 10W/4Ω
	Max. 5W/8Ω
	Max. 2,5W/16Ω
Line out socket	600Ω
Video input	
Maximum number of cameras	2 analogue cameras
Type of input	Composite PAL/NTSC
Button/keyboard interface	
Number of buttons	Up to 16 independent buttons in 4 x 4 matrix
Matrix outputs	4 (ROW1-4 terminals)
	$U_{in} < 0,1V$ (L), $U_{in} > 3,2V$ (H), max. 8mA
Matrix inputs	4 (COL1-4 terminals)
	$U_{in} < 1,15$ (L), $U_{in} > 2,15V$, max. $I_{in} = 5V$

LED control outputs	
Number of outputs	3 (LED1+-, LED2+-, a LED3+- terminals)
Output current	Typ. 20mA
Output voltage	Max. 12V (see note 1)
Digital outputs	
Number of outputs	2 (OUT1+-, a OUT2+- terminals)
Type of output	Powered output socket with short-circuit protection
Output voltage	12V (see note 1)
Active output	7V - 11V DC/400mA
Logic inputs	
Number of inputs	2 (IN1+-, a IN2+- terminals)
Input type	Galvanized, isolated inputs (opto-isolators)
Parameters	$U_{in} < 1,1V$ (L), $U_{in} > 3V$ (H), max. $I_{in} = 32V$
Relay output	
Number of outputs	1 (NC, NO, COM terminals)
Limit parameters (DC)	Max. 30VDC/1A
Limit parameter (AC)	Max. 125VAC/0,3A
Mechanical properties	
Operating temperature	-40°C - 55°C
Operating relative humidity	10% - 95% (not-condensing)
Storage temperature	-40°C - 70°C
Dimensions	142x98x34 mm (order no. 9154100)
	138x90x26 mm (order no. 9154101)
Weight	order no. 9154100 max. 280g,
	order no. 9154101 max. 150g
Protection cover grade	IP20 (order no. 9154100),
	IP00 (order no. 9154101)
Mounting	on wall or on DIN rail

Note: If power supply from adapter does not reach 12V, then the output voltage will be limited to voltage level supplied to the unit.



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