



# 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?

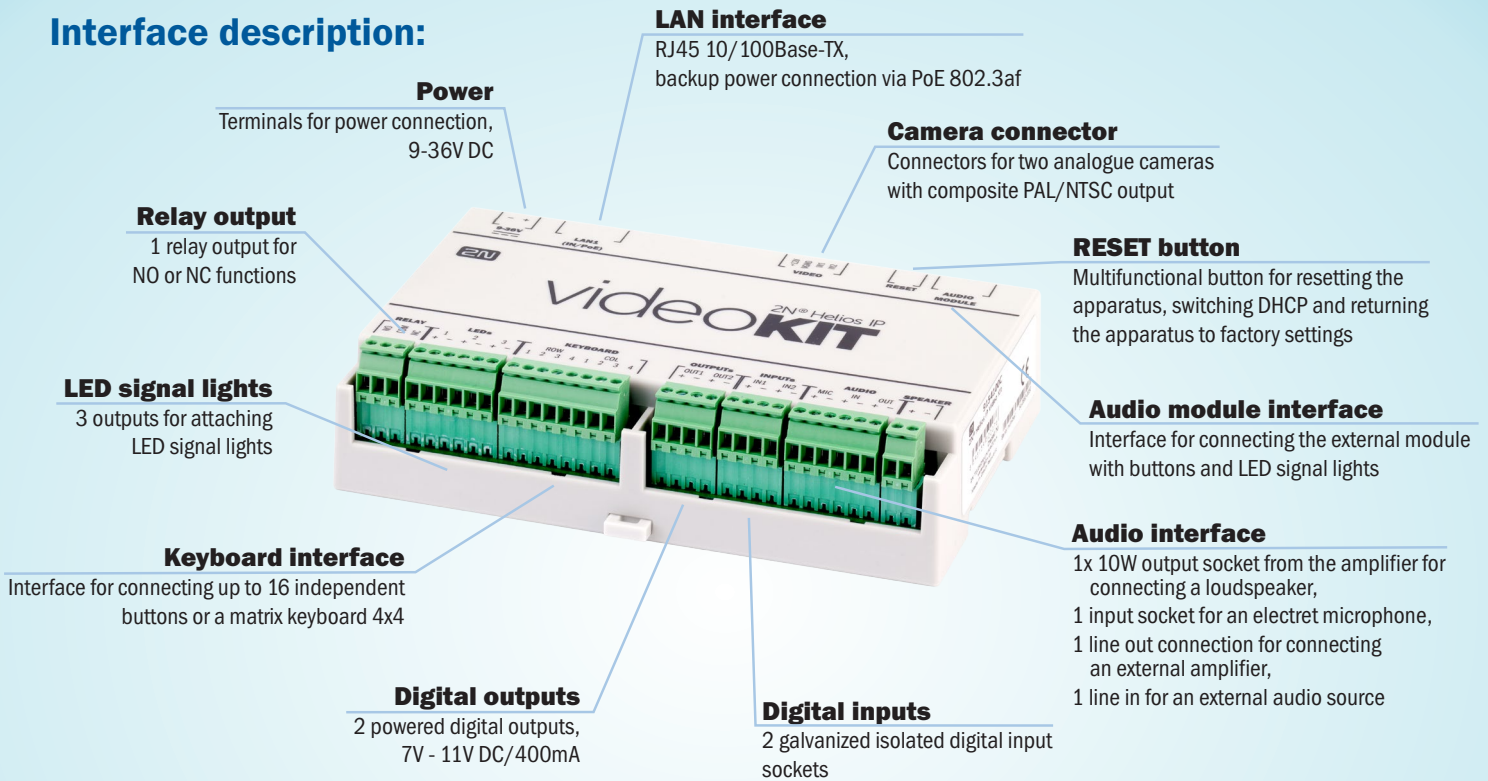
- VoIP communication via SIP 2.0
- Installation and set up via web interface
- Use of LAN/WAN networks
- Integration with video surveillance systems via ONVIF
- Inputs and outputs for on-site control
- Power supply via adapter or PoE

### Use:

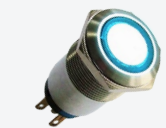
- Parking systems
- Information points
- Emergency communication points
- Industrial furnishings
- Cash dispensers



## Interface description:



## Accessories possible:



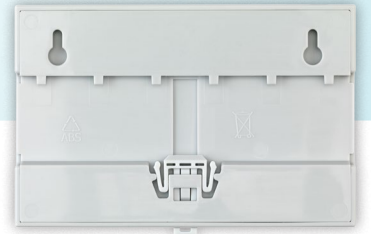
Illuminated button



Microphone



Loudspeaker



Wall-mounting bracket or on DIN rail

## Technical parameters:

<b>Protocols supported</b>		SIP 2.0 (UDP), ONVIF
<b>Audio stream</b>		
Protocols	RTP/RTSP	
Codecs	G.711, G.722	
Volume control	adjustable with automatic adaptive settings	
Full duplex	Yes (AEC)	
<b>Power source</b>		
From external source	Type 12V DC (9 - 36V DC), max. 2A	
PoE	802.3af (Class 0 - Max. 12.95W)	
<b>LAN interface</b>		
Number of LAN interfaces	1	
PoE	802.3af	
Parameters	10/100BASE-TX with Auto-MDIX, RJ-45	
Recommended cable sizes	Cat-5e or better	
<b>Audio interface</b>		
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	
<b>Video input</b>		
Maximum number of cameras	2 analogue cameras	
Type of input	Composite PAL/NTSC	
<b>Button/keyboard interface</b>		
Number of buttons	Up to 16 independent buttons in 4 x 4 matrix	
Matrix outputs	4 (ROW1-4 terminals)	
	$U_{out} < 0,1V (L), U_{in} > 3,2V (H), \text{max. } 8mA$	
Matrix inputs	4 (COL1-4 terminals)	
	$U_{in} < 1,15 (L), U_{in} > 2,15V, \text{max. } U_{in} = 5V$	
<b>LED control outputs</b>		
Number of outputs	3 (LED1+-, LED2+-, a LED3+- terminals)	
Output current	Typ. 20mA	
Output voltage	Max. 12V (see note 1)	
<b>Digital outputs</b>		
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	
<b>Logic inputs</b>		
Number of inputs	2 (IN1+-, a IN2+- terminals)	
Input type	Galvanized, isolated inputs (opto-isolators)	
Parameters	$U_{in} < 1,1V (L), U_{in} > 3V (H), \text{max. } U_{in} = 32V$	
<b>Relay output</b>		
Number of outputs	1 (NC, NO, COM terminals)	
Limit parameters (DC)	Max. 30VDC/1A	
Limit parameter (AC)	Max. 125VAC/0,3A	
<b>Mechanical properties</b>		
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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