



2N® IP Video Kit

The 2N® IP Video Kit is a compact module unit intended to enhance any OEM with reliable video monitoring. In addition to video surveillance it will enhance functionality to include audio communications, remote monitoring and control.



Parking systems
Information boards
Industrial facilities

Emergency points
ATMs

A VoIP solution you don't have to develop

2N® IP Video Kit makes it easy to incorporate IP video and audio into your existing device.

Two analogue cameras can be connected

There are two connectors for either PAL or NTSC composite video surveillance cameras.

A wide range of connectors

Choose from a wide range of interfaces. Hook up a microphone, speaker, headphones or keypad buttons.

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FEATURES & BENEFITS

SIP support, with no server needed

SIP protocol support makes it easy to link the intercom with IP phones and PBX from other producers, without having to connect to the server.

Time profiles

This function allows you to define the time period a given telephone number or access code are valid.

ONVIF protocol support

The OEM intercom is easily integrated into surveillance systems utilizing the ONVIF protocol.

Remote control

The HTTP API allows OEM intercom systems to be easily integrated into the master system for remote administration.

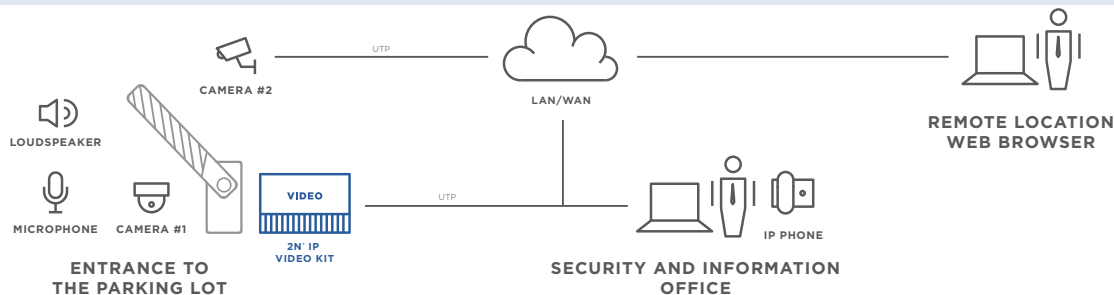
User defined sounds

There are up to 10 user slots for uploading user-defined sounds (e.g. a vocal guidance or warning messages).

Adaptive volume

2N® IP Video Kit automatically adjusts the speaker volume based on the ambient noise level.

DIAGRAM



TECHNICAL PARAMETERS

Signalling protocol

SIP 2.0 (UDP)

Audio stream

RTP/RTSP Protocols G.711 Codecs
Volume control adjustable, with auto adaptive mode
Full duplex Yes (AEC)

Power supply

From an external source Typically 12V DC (9-36V DC), max. 2A
PoE 802.3af (Class 0 - Max. 12.95 W)

LAN interface

LAN interfaces available 1
PoE 802.3af
Parameters 10/100BASE-TX with Auto-MDIX, RJ-45
Recommended wiring Cat-5e or better
Supported protocols SIP2.0, DHCP opt. 66, SMTP, 802.1x, RTSP, RTP, TFTP, HTTP, HTTPS, Syslog

Audio interface

Microphone input Basic electric microphone
Amplifier output Amplifier class D, output MONO, THD < 1%
Max. 10W/4Ω
Max. 5W/8Ω
Max. 2.5W/16Ω
Line output 600Ω

Video input

Maximum number of cameras 2 analogue cameras
Input type composite PAL/NTSC

Buttons/keypad interface

Number of buttons Up to 16 independent buttons in a 4 x 4 matrix
Matrix outputs 4 (ROW1-4 connectors)
U_{out} < 0,1V (L), U_{out} > 3,2V (H), max. 8mA
Matrix inputs 4 (COL1-4 connectors)
U_{in} < 1,15 (L), U_{in} > 2,15V, max. U_{in} = 5V

LED indicator outputs

Number of outputs 3 (LED1+-, LED2+- and LED3+- connectors)
Output current Typically 20mA
Output voltage Max. 12V (note. 1)

Digital outputs

Number of outputs 2 (OUT1+- and OUT2+- connectors)
Type of outputs Power output with short circuit protection
Output voltage 12V (note. 1)
Active switch output 7 to 11 V DC depending on Power supply (PoE: 10 V; adapter: source voltage minus 2 V, max. 11 V DC), max 400 mA

Logical inputs

Number of inputs 2 (IN1+- and IN2+- connectors)
Input type Galvanically isolated inputs (optocouplers)
Characteristics U_{in} < 1,1V (L), U_{in} > 3V (H), max. U_{in} = 32V

Relay output

Number of outputs 1 (NC, NO, COM connectors)
Limiting parameters (DC) Max. 30VDC/1A
Limiting parameters (AC) Max. 125VAC/0.3A

Mechanical properties

Operating temperature -40°C - 55°C
Operating relative humidity 10%-95% (non-condensing)
Storage temperature -40°C-70°C
Dimensions 142x98x34 mm (ord. ref. 9154100)
138x90x26 mm (ord. ref. 9154101)
Weight max. 280g (ord. ref. 9154100)
max. 150g (ord. ref. 9154101)
Ingress Protection IP20 (ord. ref. 9154100)
IP00 (ord. ref. 9154101)
Mounting on wall, or DIN rail
Note 1 If the device is supplied connected to a DC voltage source and the power supply voltage is below 12V, then the output voltage is limited to the value of the supply voltage.

SOFTWARE

2N® Access Commander – software for managing 2N IP intercoms and access units

2N® Network Scanner – an application for detecting 2N IP intercoms and access control units in the network

2N® IP Eye – an application that enriches your desk phone with a video from the intercom camera



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