



## 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.

# 2N® IP Video Kit

## 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.

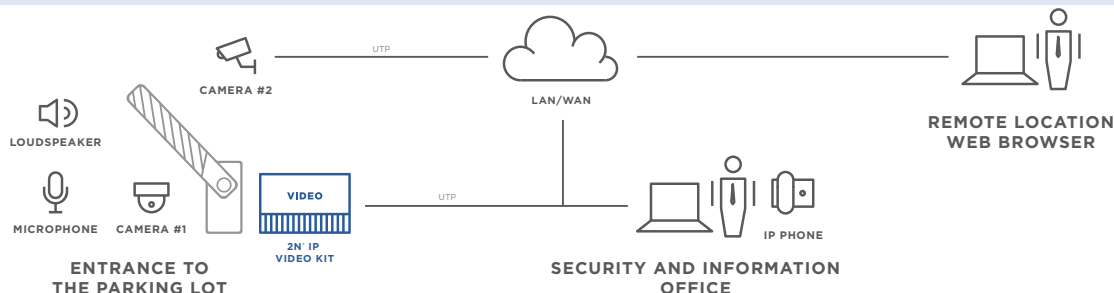
### User defined sounds

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

### 2N® Remote Configuration

Save time and money for onsite support thanks to our free service. Access all your devices remotely via secured cloud connection. Fastest response to your customers requests.

## 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<sub>out</sub> < 0,1V (L), U<sub>out</sub> > 3,2V (H), max. 8mA  
Matrix inputs 4 (COL1-4 connectors)  
U<sub>in</sub> < 1,15 (L), U<sub>in</sub> > 2,15V, max. U<sub>in</sub> = 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<sub>in</sub> < 1,1V (L), U<sub>in</sub> > 3V (H), max. U<sub>in</sub> = 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