VidiLine®

NEW

DIGITAL VIDEO DOOR PHONE SYSTEM
C5-IP

Safe investment

About the System

The C5-IP is a modern video door phone system that uses the IP technology by the VidiLine brand with the following in-built systems: access control, alarm and SOS alerts. Our system is distinguished by such properties as: no distance limitations, a versality of Applications, a fast implementation and a possibility to integrate with the CCTV IP system. A basic video door phone system consists of few elements: an IP external panel, an IP touch screen, a switch and a power supply. These devices are sufficient to develop the video door phone system. The additional elements such as a door-keeper's station or a CCTV gateway are intended for improving a safety level and therefore Your video door phone system will be a safe investment.

Main Advantages of the System

∞ No Limitations

A twisted pair or an optical fibre? Using the standards of the TCP/IP network enables to transmit data for an unlimited distance between the devices. You may use the existing network or make a dedicated one for the video door phone system. The C5-IP system features no limitations, you can connect any quantity of the screens and panels in the system. It is possible to extend the video door phone system at any time. The whole buildings can be grouped into a larger structure in order to close an area and its handling by a door-keeper or security service. A final architecture of the system depends only on your needs.

⏱ Fast Implementation

A start-up of the system comes down to connecting the devices and assigning the premises numbers to the screens. It is not necessary to know the IP protocol, because the IP addresses in the video door phone network are assigned automatically. Our system is based only on one network cable. An image, sound, control and the PoE (Power over Ethernet) technology are transmitted via one UTP cable of category 5. This solution guarantees a quick implementation, simplifies an installation and eliminates the additional sources of power supply for the entire system.

Integration with the IP Cameras

We like to feel comfortable and safe. The ubiquitous cameras become a standard. Our video door phone enables to integrate it with an IP monitoring system, which operates according to the ONVIF protocol. It is enough to connect the CCTV Gateway of the C5-IP system to the monitoring, in order to be able to watch an image from the cameras on the screen.

You Will Not Be Alone

We know from our own experience that scanning the multi-page user's manuals is not a perfect solution. Therefore, we developed the video user's manuals, which will enable You to explore our products and their configuration in an easy and friendly manner. If You need any assistance, our employees will assist You during the whole process of the system implementation, beginning from a device selection, through its installation, and ending up with its start-up. You will be never left without any assistance.

Discover Our Products

External IP Panel

C5-IP-OS-01

The function – limiting a human traffic. It enables to provide communication from the entrances to the premises. A panel is made of one aluminium block. An integrated display simplifies a navigation on the screen menu. A numerical keyboard is backlit and has a dedicated button to be connected with a door-keeper. The panel was equipped with a relay input, which when connected with a reed relay allows for checking up a position of the entrance door.

Technical Parameters

Camera	CMOS VGA
View Angle	110˚C
Display	TFT 4,3"
Resolution	480 x 272
Voltage	12-24V DC / PoE
Dimensions [mm]	148,5 x 363 x 47

Properties:

- 4.3" TFT display with a menu in polish
- Adjusted colour camera with LED diodes
- Proximity cards and proximity tags reader
- Backlit call buttons
- Button for connecting with a door-keeper's lodge
- Function of checking up a door status
- Exit button for opening the door
- Adjustment of door opening time
- NO/NC relay to control a lock
- In-built tamper alarm
- Optional module of multi-door opening
- Function of system testing

Mini External IP Panel

C5-IP-VS-01

The function – limiting a human traffic. Used as an additional panel at the entrance door to the premises. The panel is made of one aluminium block. It is equipped with a relay input, which when connected with a reed relay allows for checking up a position of the entrance door. The device features a tamper sensor, too.

An alarm of open doors or an attempt of vandalism will be sent to a door-keeper's console and software on the PC.

Technical Parameters

Camera	CMOS VGA
View angle	95˚
Temperature range	-20˚C ÷ +70˚C
Humidity	5% ÷ 95%
Voltage	12-24V DC / PoE
Dimensions [mm]	120 x 194 x 47

Properties:

- Made of one aluminium block
- Adjusted colour camera with LED diodes
- Connection with a door-keeper
- Resistant to atmospheric conditions
- Proximity cards and proximity tags reader
- Backlit call button
- Function of checking up a door status
- Exit button for opening the door
- Adjustment of door opening time
- NO/NC relay to control a lock
- In-built tamper alarm
- TCP/IP communication protocol

Door-Keeper's Station

C5-IP-GU

The door-keeper's station enables to communicate between all devices in the whole video door phone system. A touch screen ensures an intuitive system handling. A door-keeper may connect with a chosen external panel, screen or the other door-keeper's station at any time. In the case of activating an alarm from any screen or an external panel such information appears automatically on the screen.

Technical Parameters

Display	LCD 7"
Resolution	800 x 480
Temperature range	0˚C ÷ +55˚C
Humidity	5% ÷ 70%
Voltage	12-24V DC
Dimensions [mm]	305 x 210 x 32

Properties:

- Receiving calls from screens and panels
- Communication with the other door-keeper's
- stations
- Receiving alarm messages / SOS
- Preview of events and connections history
- Preview from the CCTV IP cameras – up to 255
- cameras
- Emergency opening of all doors
- Possibility to select a call sound
- Managing the users' cards
- Five buttons of a quick access
- In-built camera
- Touch screen
- TCP/IP communication protocol

Screen

C5-IP-07-W

The C5-IP screen is a combination of a simple design and advanced technology. A touch screen ensures an intuitive system handling. The screen features an alarm function, and in the case of activating it (e.g. flooding) this information is automatically transmitted to the door-keeper's station. An integrated memory enables to save up to 100 photos and information about events. An intercom function allows for communication of the system users between each other.

Technical Parameters

Display	LCD 7"
Resolution	800 x 480
Temperature range	0˚C ÷ +55˚C
Humidity	5% ÷ 70%
Voltage	12-24V DC
Dimensions [mm]	224 x 140 x 25

Properties:

• 7" screen with menu in polish
• Individual opening codes
• Possibility of receiving messages
• SOS alarm with a door-keeper notification
• Function of an alarm system with 8 inputs
• Preview of an image from the IP monitoring
• cameras
• Volume and brightness adjustment
• Intercom between users
• Possibility to select a call sound
• Cooperation with the lifts – calling a lift
• Events history
· Function of a door bell

Software and Switch

PC Software

The Centre of Property Management (CPM) serves for managing the C5-IP system. This software offers a very wide set of the functions: from a system installation and set-up, through managing its users, and ending up with handling the emergency situations.
It is possible to delegate authorisations to the persons who handle an application, because not everyone should have an access to the options connected with safety and security, e.g. adding cards for door opening and deleting an event history.

Properties:

- System configuration and management
- Remote update of firmware in the devices
- Management of users and access cards
- Sending messages to users
- Management of alarm notifications
- Emergency door opening
- Access to an event register: calls, door, opening, alarms, messages
- Remote diagnostic of system devices
- Granting authorisations to the door-keepers
- Database management

C5-IP-S

The switch serves for connecting the external panels and screens of the C5-IP video door phone and power supply distribution.
It enables to eliminate additional cabling thanks to the PoE technology. The Uplink ports (without PoE. power supply) serve to connect switches Between each other and to connect the door-keeper's station, IP camera gateway or a managing PC.

Properties:

- Easy to connect thanks to RJ45 ports
- Power supply of devices thanks to the PoE
- No configuration settings
- Required a separate C5-IP-PS power supply
- 6 PoE ports + 2 UPLINK ports
- Supply voltage of 24V DC
- Idle power consumption ≤ 100mA
- Power consumption when operating ≤ 210mA
- Dimensions 160 x 94 x 30 mm

CCTV Gateway and Power Supply Unit

C5-IP-GW

The IP camera gateway is an additional element of the video door phone system that improves safety. This device captures an image from the IP cameras in the Onvif standard and transmits it to the video door phone.
Two network cards serve for addressing management in the different network segments: monitoring and video door phone. It is configured maximally for up to 255 IP cameras and 5 persons may use a preview at the same time.

Properties:

• Supply voltage 12V DC ± 10%
• Idle power consumption ≤ 10mA
• Power consumption when operating ≤ 150mA
• Two LAN RJ45 ports
• HDMI and VGA outputs
• USB and COM inputs
• Temperature range; 0˚C ÷ +55˚C
• Humidity 5% ÷ 70%
• Dimensions 136 x 136 x 42 mm

C5-IP-PS

The device serves as a power supply unit of the C5-IP video door phone system. A power supply unit stabilises and filtrates voltage from a power grid. If it drops below 160V so maximum amperage of output current will decrease concurrently simultaneously maintaining and input amperage level. While increasing load above an Imax value, the power supply unit will stabilise current amperage and output voltage will be decreasing concurrently.
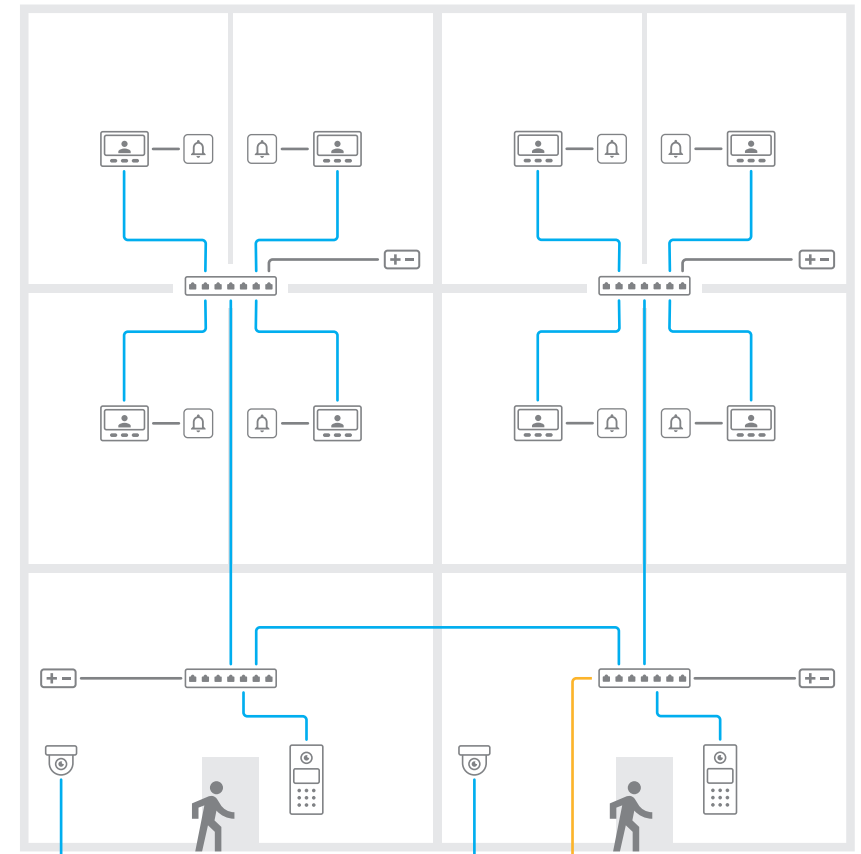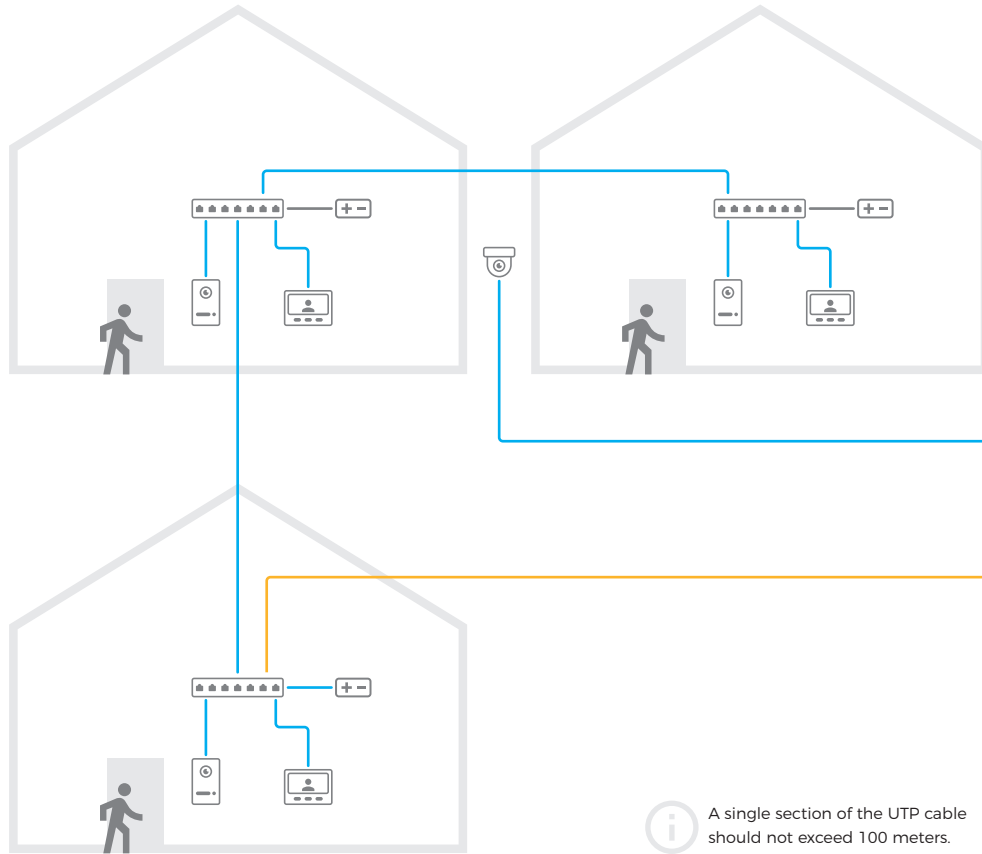
Properties:

• Input voltage 85-264V, 50-60Hz
• Output voltage 24V DC
• Output power 72W
• Output current 3A
• Current limiting Imax= 110%
• Minimum load 0%
• Working temperature -10˚C ÷ +60˚C
• Connection: screw clamps 2,5 mm^2
• Dimension of 6 modules (105 mm)
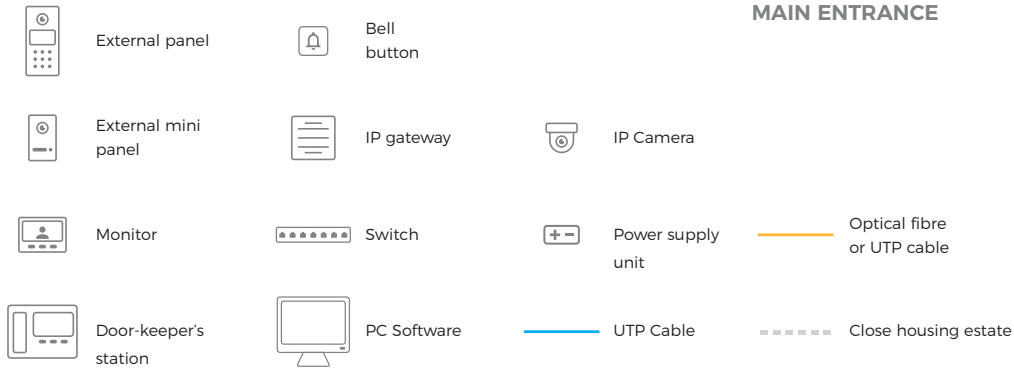• Weight 190g
• TH-35 rail-mounted

Exemplary
connection diagram

SINGLE-FAMILY BUILDINGS

MULTI-FAMILY BUILDINGS

A single section of the UTP cable should not exceed 100 meters.

STAIRCASE 1

STAIRCASE 2

MAIN ENTRANCE

SECURITY / DOOR-KEEPERS'S LODGE

	External panel		Bell button		IP Camera
	External mini panel		IP gateway		
	Monitor		Switch		Power supply unit
	Door-keeper's station		PC Software		

Optical fibre or UTP cable

UTP Cable

Close housing estate