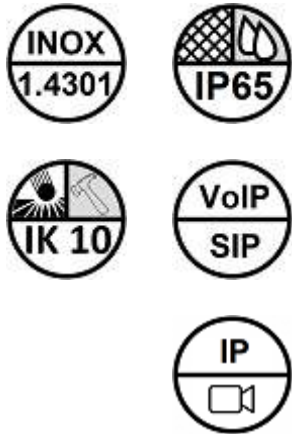# Handsfree telephone *HVI-TEC 2116IPC*

HVI-TEC DOOR STATIONS FOR OFFICE BUILDINGS & COMMERCIAL BUILDINGS
VoIP telephone with 6 programmable direct dial buttons and IP camera
Handsfree telephone in SIP standard for integration into a data network. Telephone configuration with WEB frontend.

• Moisture-proof housing; Speakers, buttons – IP 65
• High volume and background noise cancellation

• Duplex HD Voice, voice quality
• Remote programmable direct call buttons

**Door communication in obstacle-free buildings**
The Disability Equality Act requires that in public and private buildings open to the public as well as in larger apartment buildings, barrier-free access and use is guaranteed for everyone. Special telephones play a major role here: In order to make it easier for people with disabilities to operate a door intercom system, we recommend the following equipment:

Number of call buttons may differ from the picture

Option BehiG

Blind cover
2000BC/2100BC

On wall box, for surface mounting
2000AP/2100AP

In wall box for flush mounting
2000UP/2100UP

A company's entrance is what customers see first. An exclusive and customized door intercom acts like a business card and leaves a first positive impression. The HVI-TEC door intercoms are made of pure stainless steel and impress with their quality, elegant design, durability and protection against vandalism. The front panels are finished with a fine vertical cut, the frame and call buttons are polished. The exclusive door stations are available with analog and IP technology. On request, with optional customer-specific engravings, lettering, decorations and digital printing, each door station can be made be delivered with a personal touch, we will be happy to advise you.

HVI-TEC door stations are integrated into your existing telephone or data network and enable both communication with customers waiting in front of the door and opening the door by phone or smartphone. Choose your perfect door station from the numerous technical features!

**Option: Know who rings the bell when you are on the road**
The built-in AXIS P1224-E is a very small camera with HDTV 720p and a wide horizontal field of view of 145°. It consists of two parts: One part is the IP66-certified sensor unit (lens and image sensor). The other part is the main unit board. The main unit has a memory card slot and supports H.264, Motion JPEG, video motion detection, manipulation alarm, inputs and outputs for connected devices and Power over Ethernet (PoE).

## Technical specifications

### Functions

- Status / remote control messages for integration with third-party software
- 9 voice announcements, each up to 40 seconds long, can be saved
- 10MB shared flash memory for phone book and voice announcements
- Configuration can be saved in a file

### Speech codecs

- Speaker volume configurable in 10 levels
- Microphone sensitivity configurable in 10 levels
- G.711 (A-law, μ-law)
- G726 (32kbps)
- G.721
- DTMF In-band and out-of-band (RFC 2833), SIP info
- Full duplex, Acoustic Echo Cancellation (AEC)

### Electrical characteristics

- Power supply via Power over Ethernet (PoE according to IEEE 802.3af)
- max. power consumption: 12W
- SIP station: 5W
- Device at PORT2: max. 7W
- with SPL microphone units PoE-Plus IEEE802.03 at-2009
- max. input:
  SIP station 5W
  15W amplifier, port 2 must not be used
- max. switching capacity of the relays:
  60W / 62.5VA, max. 60VDC / 50VAC max. 2A
- Input voltage alarm input: 5VDC - 24VDC
- Operating temperature: -20˚C to +50˚C
- TNV-1: with TNV-1 circuits, the SIP call station be grounded via the GND connection
- EMC: EN 55022 A / B, EN 55024
- Safety: EN 60950

Housing, stainless steel pillars, rain protection, cover, etc. available as accessories

### Network

- Auto provisioning via DHCP option 66 or via configured server
- Configurable backup SIP server
- Firmware update via web interface
- Integrated switch with support for tagged VLANs
- MAC address (IEEE 802.3)
- IPv4 Internet Protocol Version 4 (RFC 791)
- ARP Address Resolution Protocol
- DNS A record (RFC 1706)
- DHCP Client Dynamic Host Configuration Protocol (RFC 2131)
- TCP Transmission Control Protocol (RFC 93)
- UDP User Datagram Protocol (RFC 768)
- RTP Real Time Protocol (RFC 1889) (RFC 1890)
- RTCP Real Time Control Protocol (RFC 1889)
- DiffServ (RFC 2475)
- SNTP Simple Network Time Protocol (RFC 2030)
- SIPv2 Session Initiation Protocol Version 2 (RFC 3261, 3262, 3263, 3264)
- SIP in NAT networks (STUN)
- SNMPv2 Simple Network Management Protocol (RFC 1901, RFC 1905, RFC 1906)
- SIPS SIP secure (RFC 3261, RFC 5630)
- sRTP secure Real Time Protocol (RFC 3711)
- 802.3X Port Authentication (PEAP, EAP-TLS)
- Numbers according to E.164
- Interface to the EBS ControlCenter

### Security and administration

- Password protection for admin access
  Web browser supported administration (HTTPS protected)

### Physical connections

- RJ-45 port for Ethernet 100baseT (IEEE 802.3)
- Screw terminals for contacting the relays

### Specifications Network Camera

**Supported protocol**

IPv4/v6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SS

**Programming interface**

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; Specifications at www.axis.com
AXIS Video Hosting System (AVHS) with one-click connection. ONVIF Profile S, technical information on www.onvif.or

**Lens**

- Fixed aperture, fixed focus
- 1.56mm, F2.8
- Horizontal viewing angle: 145°
- Vertical viewing angle: 80°

**Sensitivity to light**

1.8 to 10000 lux

**Video compression**

H.264 (MPEG-4 Part 10/AVC), Motion JPEG

**Resolution**

1280 x 720 to 320 x 180

| Size | Series 21XX (large) |
| --- | --- |
| Handsfree telephone faceplate | 305 x 140mm |
| Surface-mounted housing | 305 x 140 x 62mm |
| Recessed-mounted housing | 279 x 114 x 50mm |

| Ordering data | Article number Series 21XX (large) |
| --- | --- |
| Handsfree telephone 2116 analog | 2116 |
| Handsfree telephone 2116 VOIP | 2116IP |
| Handsfree telephone 2116 VOIP with IP video camera | 2116IPC |
| Surface mounting series 2100 | 2100AP |
| Installation housing series 2100 | 2100UP |
| Rain cover | 2100RD |
| Blind cover | 2100BC |

**Option BehiG:** Large, self-explanatory pictograms make it easier for people with disabilities to distinguish between the phases „call", „conversation" and „door opening". An additional voice announcement can be used to greet the visitor and help them find their way around.