



# SIP Emergency Station

AVCEM1

## Vandal resistant IP call station designed for safety

WatchNET's Video Door Phone AVCEM1 is a commercial grade full metal body intercom that is weather proof and easy to install. SIP technology enables easy communication with any EPBX or SIP telephone.

- ❖ Once registered with SIP server the door phone can call landline or mobile phone for video and audio communication
- ❖ Built-in HD camera can be viewed and recorded on any ONVIF supported NVR (Network Video recorders)
- ❖ Easily monitor an entrance door or gate and gives you the peace of mind knowing that your facility is more secure
- ❖ Vandal resistant body, flush mount using electrical back box
- ❖ Wide-angle camera: 120°
- ❖ PoE (IEEE802.3af, Power-over-Ethernet)
- ❖ Complies with SIP standard for easy integration in every SIP capable EPBXes
- ❖ No answer call function up to 3 phone numbers



Door Phone



Mobile Device



En Suite Monitor Station



Display Phone Station



## Physical & Power

- **Body material:**  
316 grade stainless steel
- **Camera:**  
2.1M pixels
- **Button:**  
1 panic button; 1 reset button (on board)
- **Microphone:**  
1 integrated microphone, IP67
- **Speaker:**  
1W, IP66
- **Input Relay:**  
2 input relays for alarm
- **Output Relay:**  
2 output relays for door opener
- **Call Indication:**  
1 RGB LED (colors: red, green, blue)
- **Power Input:**  
12V DC input
- **Power consumption:**  
Less than 12W
- **Water-proof & Dust-proof:**  
IP65
- **Installation:**  
Flush-mounted  
Fit in Clipsal 164/4 back box
- **Dimension:**  
PCB - 130mm x 65mm  
5.12" x 2.56"  
With flush mount kit - 210mm x 120mm x 61mm  
8.27" x 4.72" x 2.4"

## SIP Endpoint

- **SIP:**  
SIP v1(RFC2543), SIP v2(RFC3261)
- **Audio Codecs:**  
G.711a, G.711µ, G.722, G.729
- **Video codecs:**  
H.264, MPEG-4 & MJPEG
- **Speech Quality:**  
7kHz Audio
- **Echo Cancellation**
- **Voice Activation Detection**
- **Comfort Noise Generator**

## Video

- **Resolution:**  
Up to 1080p
- **Compatible to 3rd Party Video components, e.g. NVRs**

## Phone Features

- **Web support multi-language**
- **Auto-answer**
- **Volume control**
- **Direct IP call without SIP proxy**
- **Auto-Provision**

## Networking

- **2x10/100 Mbps Ethernet ports**
- **Security:**  
Password Protection, IP address filtering, SIP over TLS, HTTPS encryption, user access log
- **Protocols support:**  
IPv4, HTTP, HTTPS, FTP, SNMP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP

## Certification

- **Complied with CE & FCC**

## Target Groups

- **Education: universities, campuses, schools**
- **Logistics & Transportation: airports, parking lots**
- **Healthcare: hospitals, laboratories**
- **Industries: Manufacturing & Production, Energy, Metal & Mining, Chemicals**

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