ESI eAccess

AC64v Video Access Device Datasheet.

Compatible with SIP and ONVIF protocols, the AC64v Access Device integrates access control, intercom, and security protection. Featuring an aluminum alloy design and a lighted numeric keypad, the AC64v delivers a high-quality robust appearance. The IP66 and IK07 ratings make the AC64v water, dust and impact resistant in most outdoor environments. The AC64v allows users to make audio/video calls via a speed-dial button and a 2 Mega-pixel camera and achieve access control by different methods such as RFID and password. An array of input and output interfaces allows the AC64v to be easily integrated with other security devices. The AC64v is ideal for apartments, commercial buildings, communities, industrial parks and more.

Highlights

- IP66 and IK07 water resistance and impact resistance.
- A wide operating temperature range allows the AC64v to operate in most outdoor environments.
- Open the door with password, RFID/IC cards, NFC, indoor switch, remote DTMF, Time Frame.
- Aluminum alloy design and a numeric keypad.
- Built-in 2 Mega-pixel wide-angle camera: 120º(H), 60º(V) with infrared night-vision feature.
- Fitted with a tamper switch that detects unauthorized opening of the device itself.
- Compatible with SIP and ONVIF protocols.
- Built-in maximum 128GB capacity TF card slot for image storage.
- HD voice speech quality with built-in 2.5W speaker and Acoustic Echo Canceller.
- Short circuit input ports and short circuit output controls for connecting switches, infrared probes, door magnets, vibration sensors, and other devices.

Generic

- 2 SIP lines
- Video intercom
- IP address announcement in English
- Programmable DSS key
- RS485 port: Support
- Wiegand port: Support
- Switch signal input and output
- Door control in and out
- Support Line-out for induction loop antenna
- Support TF card
- PoE enabled
- Open the door operation: password, DTMF, RFID card, NFC, indoor switch, Time frame
- RFID cards (support 2,000)
- Door open records (support 200,000)

Protocols

- SIP v1 (RFC2543), v2 (RFC3261) over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- PPPoE
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Device Functions

- Auto-answering
- Programmable DSS keys
- Button or web page volume adjustment
- Network time synchronization
- Time Plan (task management)
- Dynamic multicast function
- SIP call multicast function
- HTTP API
- Action URL / Active URI

Call Functions

- Call out / answer / reject
- Call waiting
- Intercom, Multicast
- Speed dial
- Anonymous call (Hide caller ID)

Audio

- Narrowband codec: G.711A/U, G.729A/B,iLBC,G.723.1,G.726-32K
- Wideband codec: G.722, Opus
- Full-duplex hands-free speakerphone with AEC (Acoustic Echo Cancellation)
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)

Video

- Sensor: 1/2.9" color CMOS
- Pixels: 2 Mega
- Video coding: H.264
- Motion detection
- Resolution:
  - Main stream 1080P@30fps
  - Sub stream VGA@30fps
- High intensity IR LEDs for picture lighting during dark hours with internal light sensor
- Viewing angle: Diagonal: 141°. Horizontal: 120°. Vertical: 60°

Network

- Physical: 10/100 Mbps Ethernet
- IP mode:IPv4/IPv6/IPv4&IPv6
- IP configuration: Static IP / DHCP / PPPoE
- VPN: L2TP / OpenVPN
- VLAN

Deployment & Management

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web management portal
- Web-based packet dump
- Configuration export / import
- Firmware upgrade
- Syslog

Physical Specifications

- Keypad: 16 keys, which includes
  - 12 number keys
  - 4 function keys (Management Center /Password Mode/ Dial/Backspace)
- RJ45 network port x1: PoE enabled
- Short-in detect port x 3
  - Terminal socket
- Short-out control port x2 (built-in relay)
  - Relay: MAX DC30V / 2A, AC125V / 0.5A
  - Port: Terminal socket
- Tamper switch x1
- TF card slot x1: connect TF card, up to 128GB
- RF Card Reader:125KHz&13.56MHz
- RS485:Support
- Wiegand Port: In/Out configurable, Wiegand in by default
- Line-out: Support, for induction loop antenna
- DC port x1: DC power input
  - DC power input: DC12V/1A
  - Port: Terminal socket
- PoE level: 802.3af Class 3
- Protection level:IP66 and IK07
- Housing material: Aluminum
- Installation: Wall-mounted & Flush-mounted
- Operating temperature: -4°F~122°F (-20℃~50℃)
- Storage temperature: -40°F~158°F (- 40℃~70℃)
- Working humidity: 10~95%
- Weight: ~24.0 oz (~680.0 grams)
- Device dimensions: 7x3.46x1.42" (177.4x88x36.15 mm)
- Box dimensions: 8.66x4.84x2.56" (220x123x65 mm)