ESI Access

AC32V Video Access Reader Datasheet
for eSIP & eCloud

For eSIP and eCloud, the AC32V Video Access Reader is designed for outdoors with high reliability, HD Audio/Video, IP65 water and dust protection and IK10 impact resistance. It combines access control, security, audio/video intercom and broadcasting functionality for smooth/safe/clear communication.

Highlights

- Built-in HD camera with infrared night vision, H.264 codec
- Access control (by call, RFID/IC card and indoor switch)
- All-in-one (Access control, Intercom and Broadcasting)
- HD voice speech quality with built-in 3W speaker and Acoustic Echo Canceller (AEC)
- IP65 water and dust protection
- IK10 anti-collision with robust die-cast aluminum frame
- -40 to 158°F (-40°C to 70°C) wide range temperature for outdoor use
- Supports online management and upgrade

Specifications

Generic
- 2 SIP Lines
- Full-duplex handsfree
- DSS Key (Speed Dial/intercom etc)
- Auto answer
- Intercom function
- Industrial Standard Certifications:
  IP65&IK10, CE/FCC

Access Control Function

- Unlock door method: DTMF, RFID/IC card, indoor switch, WEB page
- Support 2000 Remote access list
- Support 2000 RFID/IC cards
- Support 200,000 door open records
- Support electric lock internal or external power supply options
- Dynamic multicast function
- Support ONVIF
- Support customized DSS key
- Network Time Synchronization
- Action URL / Active URI

Audio

- Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729AB
- Wideband Codec: G.722
- Full-duplex Acoustic Echo Canceller (AEC) - Hands-free Mode, 96ms tail-length
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) /Background Noise Estimation (BNE)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive jitter Buffer up to 300ms
- DTMF: In-band, Out of Band DTMF (RFC2833) / SIP INFO

Video

- Sensor: 1/2.7" color CMOS
- 2 Megapixels
- Video Code: H.264
- Resolution: Main stream 1280×720@25fps Sub-stream 704×576(D1)@25fps
- Viewing angle: 112° (H), 84° (V)
- Minimum illumination: 0.1Lux, support for infrared illumination

Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP/TR-069/SIPPNP
- Web Management Portal
- Web-based Packet Dump
- Configuration Import/Export
- Firmware Upgrade
- Syslog

Networking

- 10/100 Mbps
- IP Configuration: Static / DHCP / PPPoE
- Network access authentication: 802.1x
- VPN: L2TP / OpenVPN
- VLAN
- LLDP

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Physical Specifications

- 1 DSS button
- 1 RJ45 port
- 1 Wiegand port
- 1 audio output interface
- 1 recording output interface
- 2 embedded short circuit input interface
- 2 relays: MAX DC30V / 2A, AC125V / 0.5A
- Active switching output: 12V / 500mA DC(only 1 relay support)
- 2 door magnetic detection interface
- 1 tamper alarm switch
- RFID reader: ID (EM4100,125KHz) & IC(MIFARE ONE,13.56MHz)
- Power: DC12V/1A or PoE
- Housing material: aluminum alloy shell
- Protection level:IP65 and IK10
- Installation: Wall-mounting
- Operating temperature: -40~158°F (-40~70°C)
- Storage temperature: -40~158°F (-40~70°C)
- Relative humidity: 10% - 90%
- Equipment Dimension: 7.68x4.72x1.34in (195x120x34mm)
- Packing Dimension: 10.3x6.5x2.44in 260x165x62mm
- Equipment weight: 2.3 pounds (1015g)