

Perfect Doorphone choice for daily life

Sometimes running or replacing cables is not cost effective or near impossible especially in older apartment buildings or established homes or businesses.

A cost-effective alternative is to use the mobile networks to bypass cables altogether. Akuvox's Video Doorphone R20K-L is designed to remove cables from the solution solving what has become an expensive problem for many.

At a Glance

- Aluminum panel with numeric keypad;
- Linux operation system;
- Wide-angle camera: 110° (H), 58° (V);
- Two-way audio communication over IP networks with Echo Cancellation feature;
- Using LTE technology to combine minimum installation when installed at sites;
- Flush-mounted & surface-mounted;



Physical & Power

- | | |
|---|---|
| • Front panel: Aluminum alloy | • Speaker: 1 |
| • Camera: 2M pixels, automatic lighting | • Tamper Alarm: Support |
| • Numeric keypad with extra buttons | • Ethernet port: RJ45, 10/100Mbps adaptive |
| • Light sensor: Support | • SIM Card Slot: Support |
| • Motion sensor: Support | • 12V DC connector |
| • Wiegand port: Support | • 802.3af Power-over-Ethernet |
| • RS485 port: Support | • IP Rating: IP65 |
| • RF card reader: 13.56MHz, NFC | • Installation: Flush-mounted or Wall-mounted |
| • Relays out: 2 | • Size: 185x84.5x24mm |
| • Inputs: 2 | • Working Humidity: 10~90% |
| • Microphone: 1 | • Working Temperature: -30°C ~ +60°C |
| | • Storage Temperature: -40°C ~ +70°C |

Audio

- SIP v1 (RFC2543), SIP v2 (RFC3261)
- Narrowband audio codec: G.711a, G.711μ
- Wideband audio codec: G.722
- DTMF: In-band, out-of-band DTMF (RFC2833), SIP Info
- Echo Cancellation
- Voice Activation Detection
- Comfort Noise Generator

Video

- Sensor: 1/2.8", CMOS
- Pixels: CIF, VGA, 4CIF, 720p, 1080p
- Video codec: H.264
- Video resolution: up to 1920x1080
- Max. image transfer rate: 1080p – 30fps
- Viewing angle: 110°(H) / 58°(V)
- High intensity IR LEDs for picture lighting during dark hours with internal light sensor
- Compatible to 3rd-Party-Video components, e.g. NVRs

Door Entry Feature

- Relays controlled individually by DTMF tones
- Camera permanently operational
- Auto-night mode with LED illumination
- White balance: auto
- Minimum illumination: 0.1LUX

Networking & Protocol

- Protocols support: IPv4, HTTP, HTTPS, FTP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP

Deployment & Maintenance

- Auto-Provisioning
- Web management portal
- Web-based packet dump
- Configuration backup / restore
- Entry log export
- Access table export / import
- Firmware upgrade
- System logs (include door access logs)

Application Scenario

- Office door phone with on-site or hosted IP-PBX
- Remote site entry over Internet
- Apartment/flat intercom with door access control