

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

Network Connection

- LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18 /B19/B20/B25/ B26/B28
- LTE-TDD: B38/B39/B40/B41
- WCDMA: B1/B2/B4/B5/B6/B8/B19

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