

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 | • Infrared (IR) LED: Support |
| • Camera: 2M pixels, automatic lighting | • Speaker: 1 |
| • Numeric keypad with extra buttons | • Tamper Alarm: Support |
| • Light sensor: Support | • Ethernet port: RJ45, 10/100Mbps adaptive |
| • Motion sensor: Support | • SIM Card Slot: Support |
| • Wiegand port: 1ch input/output(selectable) | • 12V DC connector |
| • RS485 port: Support | • 802.3af Power-over-Ethernet |
| • RF reader: 13.56MHz & NFC (only Android) | • IP Rating: IP65 |
| • Relays out: 2 | • Installation: Flush-mounted or Wall-mounted |
| • Inputs: 2 | • Dimension (HxWxD): 185x85x24mm |
| • Microphone: 1 | • Working Humidity: 10~90% |
| | • Working Temperature: -30°C ~ +60°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)
- 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
- Multi-way Unlock: Mifare Card and PIN
- Camera permanently operational
- White balance: auto
- Minimum illumination: 0.1LUX

Capacity

- User: 4,000
- Contact: 1,000
- Card: 20,000
- PIN: 4,000

Card Type

- Mifare card
- DesFire card (EV1/EV2/EV3)

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)