

Perfect Doorphone choice for daily life

The security that comes with being able to control who comes into your building along with the ability to verbally and visually confirm their identity is immeasurable. Akuvox's Video Doorphone R20K enables you to easily monitor an entrance door or gate and gives you the peace of mind knowing that your facility is more secure.



At a Glance

- Vandal resistant body with numeric keypad;
- Wide-angle camera: 110° (H), 58° (V);
- PoE (IEEE802.3af, Power-over-Ethernet);
- Two-way audio communication over IP networks with Echo Cancel feature;
- Complies with SIP standard for easy integration in every SIP capable PBXes;
- Complies with ONVIF standard for easy integration with any network surveillance system;

Physical & Power

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| • Front panel: Aluminum alloy | • Speaker: 4Ω / 3W |
| • Camera: 2M pixels, automatic lighting | • Ethernet port: RJ45, 10/100Mbps adaptive |
| • Numeric keypad with extra buttons | • 802.3af Power-over-Ethernet |
| • Light sensor: Support | • 12V DC connector (if not using PoE) |
| • Infrared sensor: Support | • Water-proof & Dust-proof: IP65 |
| • Wiegand port: Support | • Installation: Flush-mounted or Wall-mounted |
| • RS485 port: Support | • Flush-mounted DIM: 226x108x52mm |
| • RF card reader: 13.56MHz (with NFC) & 125kHz | • Wall-mounted DIM: 185x85x24mm |
| • Relays out: 2 | • Working Humidity: 10~90% |
| • Inputs: 2 | • Working Temperature: -30°C ~ +65°C |
| • Microphone: -40dB | • Storage Temperature: -40°C ~ +70°C |

Audio

- SIP v1 (RFC2543), SIP v2 (RFC3261)
- Narrowband audio codec: G.711a, G.711μ, G.729
- Broadband audio codec: G.722
- DTMF: In-band, out-of-band DTMF (RFC2833), SIP Info
- Echo Cancellation
- Voice Activation Detection
- Comfort Noise Generator

Video

- Sensor: 1/2.7", CMOS
- Pixels: CIF, QCIF, VGA, 4CIF, 720p, 1080p
- Video codec: H.264, H.265
- Video resolution: up to 1920x1080
- Max. image transfer rate: 1080p – 25fps
- 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, SNMP, 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