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

- **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;**
- **Flush-mounted & surface-mounted;**
- **Complies with SIP;**

Physical & Power

- Front panel: Aluminum alloy
- Camera: 2M pixels, automatic lighting
- Numeric keypad with extra buttons
- Light sensor: Support
- Motion sensor: Support
- Wiegand port: 1ch input/output(selectable)
- RS485 port: Support
- RF reader: 13.56MHz&125kHz, NFC (only Android)
- Relays out: 2
- Inputs: 2
- Microphone: 1
- Infrared (IR) LED: Support
- Speaker: 1
- Tamper Alarm: Support
- Ethernet port: RJ45, 10/100Mbps adaptive
- 802.3af Power-over-Ethernet
- IP Rating: IP65
- Installation: Flush-mounted or Wall-mounted
- Dimension (HxWxD): 185x85x24mm
- Working Humidity: 10~90%
- Working Temperature: -30°C ~ +60°C
- Storage Temperature: -40°C ~ +70°C

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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

Networking and Protocol

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

Door Entry Feature

- Relays controlled individually by DTMF tones
- Multi-way Unlock: EM/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

- EM card
- 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)

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