

***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 R20A 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***

- Single speed-dial button with blue backlight;
- Wide-angle camera: 110° (H), 58° (V);
- PoE (IEEE802.3af, Power-over-Ethernet);
- Two-way audio communication over IP networks with Echo Cancellation & Noise suppression;
- 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**

- Front panel: Aluminum alloy
- Camera: 2M pixels, automatic lighting
- Button: 1 call button
- Light sensor: Support
- Infrared sensor: Support
- Wiegand port: Support
- RS485 port: Support
- RF card reader: 13.56MHz (with NFC) & 125kHz
- Relays out: 2
- Inputs: 2
- Microphone: 1
- Speaker: 1
- Tamper alarm: Yes
- Ethernet port: RJ45, 10/100Mbps adaptive
- 802.3af Power-over-Ethernet
- 12V DC connector (if not using PoE)
- IP Rating: IP65
- Size: 145x85x22mm
- Installation: Flush-mounted or Wall-mounted
- 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: 1/2.7", CMOS
- Pixels: CIF, QCIF, 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 3<sup>rd</sup> 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