AKUVOX 2-WIRE VIDEO INTERCOM SOLUTION

R20A-2 Door Station + C313W-2 Indoor Monitor

Combined Datasheet | Condensed Edition

A compact 2-wire IP video intercom pairing for retrofit homes and apartments, combining outdoor door entry with a 7-inch indoor touchscreen.

Key features



- **2 MP camera** with 110° horizontal / 58° vertical view
- Single backlit call button; Linux operating system
- Two-way SIP audio with echo cancellation and noise suppression
- 13.56 MHz / 125 kHz RF card reader with NFC support
- IP65 weather rating; tamper alarm support
- Flush-mount or wall-mount installation
- SIP and ONVIF support

Essential specifications

- Video: H.264, up to 1920×1080 @ 30 fps
- Night operation: IR illumination, auto night mode, 0.1 lux minimum
- Interfaces: Wiegand, RS485, 1 relay output, 1 input
- Size: 145 × 85 × 22 mm
- Operating: -30°C to +60°C | 10–90% RH

Key features



- **7-inch capacitive touchscreen** with 800×480 resolution
- Two-way audio and video communication over 2-wire IP network
- Wi-Fi 2.4 GHz plus 10/100 Mbps Ethernet
- Powered by NS-2 or 48 V DC external source
- Supports wall-mount or desktop installation
- SIP 2.0 communication; H.264 video streaming
- Auto-provisioning and web management

Essential specifications

- Display: 7-inch TFT LCD, capacitive touch, 500:1 contrast
- Audio: G.711a/μ, G.729, G.722; echo cancellation
- Interfaces: 2-wire ports (2 pair), RS485, 1 relay out, 1 bell in, 8 I/O
- Size: 200.2 × 132.2 × 27.2 mm
- Operating: -10°C to +45°C | 10–90% RH

Why this pairing works

2-Wire Retrofit

Designed for installations where existing 2-wire cabling is retained.

IP Communication

SIP-based audio/video communication with standard IP networking features.

Door Access

R20A-2 provides call, camera, relay and card-reader functions at the entrance.

Indoor Control

C313W-2 provides a 7-inch touchscreen interface for answering and viewing calls.

Source: Akuvox R20A-2 Datasheet V2.0 and Akuvox C313W-2 Datasheet. Specifications condensed for quick reference; refer to manufacturer documentation for complete details.