

## VKH-1W-NWTO

Video Intercom Two-Wire Kit.



### Key Feature

- 2-wire digital IP video intercom kit for villa or house, only one call button
- Door station x1
- Indoor station x1
- Video Audio Distributor x1
- 16 GB TF card x1

### Specification

#### Door Station

System parameters	
Processor	Embedded microcontroller
Operation system	Embedded Linux operation system
Operation mode	One touch key
Video parameters	
Camera	2 MP super definition camera
Resolution	Main stream: 1920 × 1080 (720p configurable) Sub stream: 720 × 480
Night vision	Support low light and IR light supplement mode
Backlight compensation	Support
Digital noise reduction	Support
WDR	True WDR
Field of view	Horizontal: 146°; Vertical: 82°
Video compression standard	H.264
Stream	Main stream: 1080p@30fps, 720p@30fps (configurable); Sub stream: D1
Motion detection	Support
Flash-avoid frequency	50 Hz, 60 Hz
Audio parameters	
Audio input	Built-in omnidirectional microphone
Audio output	Loudspeaker, 20 cm sound effect > 80 dB
Audio quality	Noise suppression and echo cancellation

Audio compression standard	G.711 U
Audio compression rate	64 kbps
Audio intercom	Full-duplex two-way audio intercom
Interfaces	
Debugging port	1
RS-485	1
Alarm input	4 (2 exit buttons and 2 door contacts by default)
Lock control	2 (2 relay, max to 30 VDC, 2 A)
TAMPER switch	1
Power interface	Two-wire
General	
Button	1
Installation	Wall Mounting
Protection level	IP65
Working temperature	-40° C ÷ 60° C (-40° F ÷ 140° F)
Working humidity	10% ÷ 90%
Dimension	100 × 98 × 42 mm (3.94" × 7.8" × 1.65")

### Specification

#### Indoor Station

System parameters	
Operation system	Embedded Linux operation system
Flash	32 MB
Memory	128 MB
Display parameters	
Display screen	7-inch TFT LCD
Display resolution	1024 × 600
Operation method	Capacitive touch
Audio parameters	
Audio input	Built-in omnidirectional microphone
Audio output	Built-in loudspeaker
Audio quality	Noise suppression and echo cancellation
Audio compression standard	G.711 U, G.711 A
Audio compression rate	64 kbps
Network parameters	
Wired Network	Two-wire network
Wireless Network	Wi-Fi 802.11 b/g/n
Protocol	TCP/IP, SIP, RTSP
Interfaces	
Network Interface	Two-wire Interface
RS-485	1
Alarm input	8 zones alarm inputs
Relay output	2 (30 V max.)
TF card	Support, Max 128 GB
General	
Power consumption	≤ 4 W
Working temperature	-10° C ÷ 50° C (-14° F ÷ 122° F)
Working humidity	10% ÷ 90%

Dimension (L x W x H)	200 x 140 x 23.6 mm (7.87" x 5.51" x 0.93")
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**Specification**

*Video Audio Distributor*

**Interfaces**

Network Interface	1 RJ45
Two-wire Interface	6 (2 for cascading and 4 for devices)
Signal indicator	6
Power indicator	1
Reset	1

**General**

Power Supply	24 Vdc
Power consumption	CH1 ÷ CH3 <4 W, CH4 <8 W
Working temperature	-10° C ÷ 55° C (-14° F ÷ 131° F)
Working humidity	10% ÷ 90%

**Dimensions**

