

- Remote unlocking via the client or the app
- Remotely answering the call via the client or the app

- HD video surveillance with high performance CMOS
- Noise suppression and echo cancellation
- H.264 video compression
- Low illumination

Additional Features

- Message notification function
- Auto-uploads captured pictures to FTP or the client

The diagram illustrates a network architecture for a smart building, divided into three main sections: Building, LAN, and Client Software.

Building Section: Shows multiple floors (nF, 1F) with residents (Resident 1, Resident 2) and indoor extensions. These are connected via Network Cables (green) to Video/Audio Distributors.

LAN Section: A central cloud labeled "LAN" is connected to two Switches. The top switch is connected to the Center Master Station (Master Station). The bottom switch is connected to the Master Station in Guard's Room, which includes Card Readers, Door Stations, Outer Door Stations, and an IPC (Intrusion Prevention Camera).

Client Software Section: A computer is connected to the top switch, representing the Client Software.

Legend:

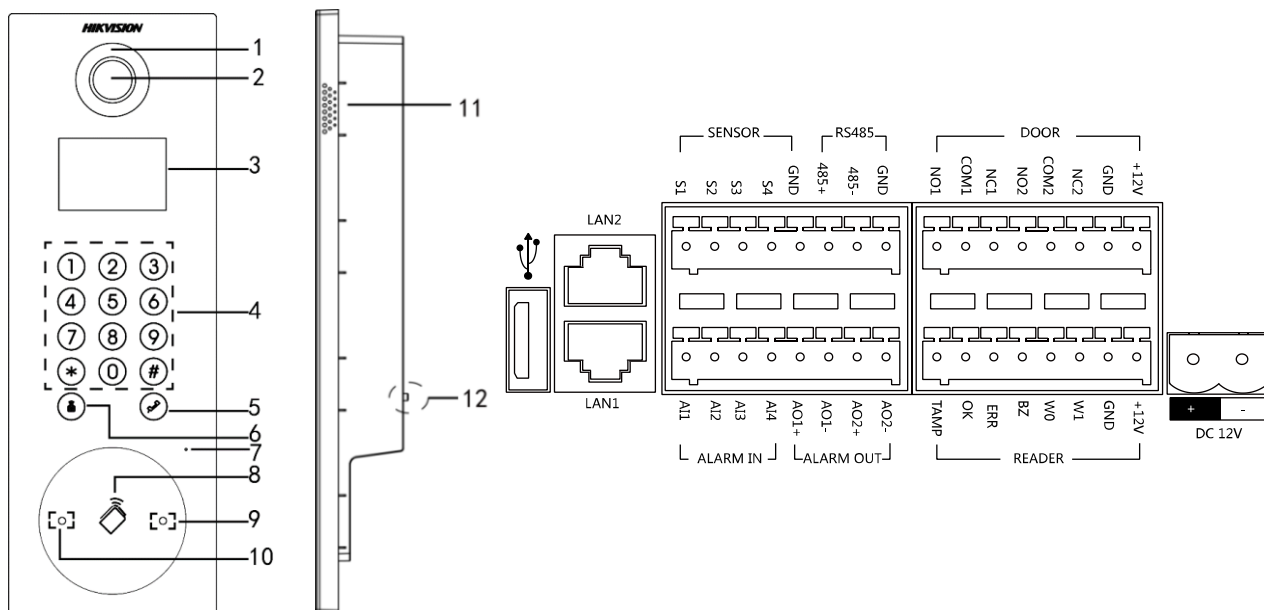
- Network Cable (Green line)
- Optical Fiber (Yellow line)
- RS-485 (Purple line)
- Wi-Fi (Blue dashed line)
- One Resident (Red dashed box)



Specifications

Model		DS-KD8102-V
System parameters	Processor	High-Performance Embedded SOC Processor
	Operation system	Embedded Linux Operation System
Video parameters	Camera	CMOS Low Illumination 1.3 MP HD Colorful Camera
	Video compression standard	H.264
	Resolution	1280 × 720
	Video frame rate	PAL: 25 fps, NTSC: 30 fps
Display parameters	Display screen	3.5-Inch Colorful TFT LCD
	Display resolution	480 × 320
	Operation method	Capacitive Touch Keypad
	Operation interface	LCD Display, Easy Menu
Audio parameters	Audio input	Built-in Omnidirectional Microphone
	Audio output	Built-in Loudspeaker
	Audio compression standard	G.711 U
	Audio compression rate	64 Kbps
	Audio quality	Noise Suppression and Echo Cancellation
Access control parameters	Internal card reader	Built-in IC Card Reader
	External card reader	Wiegand 26, Wiegand 34, or RS-485 IC Reader
	Door magnetic detection	Detects Door Magnetic Status
IR human detection	Approaching detection	Supporting IR Detection, Vertical Distance: from 60 cm to 80 cm
Light supplement	Light supplement mode	Visible Light Supplement
Network parameters	Ethernet	10/100/1000 Mbps Self-Adaptive Ethernet
	Network protocol	TCP/IP, SIP, RTSP
Alarm parameters	Alarm input	Door Magnetic Alarm, Tampering Alarm
Device interfaces	Network interface	1 RJ-45 10/100/1000 Mbps Self-Adaptive Ethernet Interface
	RS-485	1 RS-485 Half-Duplex Port
	I/O input	8
	I/O output	4
	Wiegand	1 Wiegand Port for Accessing Wiegand IC Card Reader
	USB	1 USB 2.0, Supporting U-Disk
General	Material	Plastic
	Power supply	12 VDC
	Power consumption	≤15 W
	Working temperature	-40° C to +70° C (-40° F to 158° F)
	Working humidity	10% to 90%
	IP protection level	IP65
	Dimensions (L × W × H)	418 mm × 145 mm × 61 mm (16.5" × 5.7" × 2.4")
	Certification	FCC, IC, CE, C-TICK, ROHS, REACH, WEEE

Appearance and Interfaces



Index	Description	Index	Description
1	Low Illumination Supplement Light	7	Microphone
2	Built-in Camera	8	Card Induction Area
3	LCD Display Screen	9	IR Emission
4	Numeric Keypad	10	IR Receiver
5	Call Key	11	Loudspeaker
6	Call Center Key	12	TAMPER

Distributed by

Available Model

DS-KD8102-V

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