Video Intercom Door Station
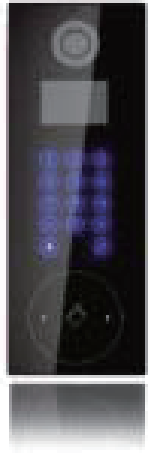# DS-KD8102-V

KEY FEATURES

Basic Function
◆ Video intercom function
◆ Access control function
◆ Issues cards via door station, up to Max. 2500 cards, via outer door station, up to 50000 cards (This function will be invalid if the card has been issued via the client.)
◆ Card readers supported
◆ Self-adaptive visible light supplement

Video / Audio Fuction
◆ HD video surveillance with high performance CMOS
◆ Noise suppression and echo cancellation
◆ H.264 video compression
◆ Low illumination

Remote Control
◆ Remote unlocking via the client or the app
◆ Remotely answering the call via the client or the app
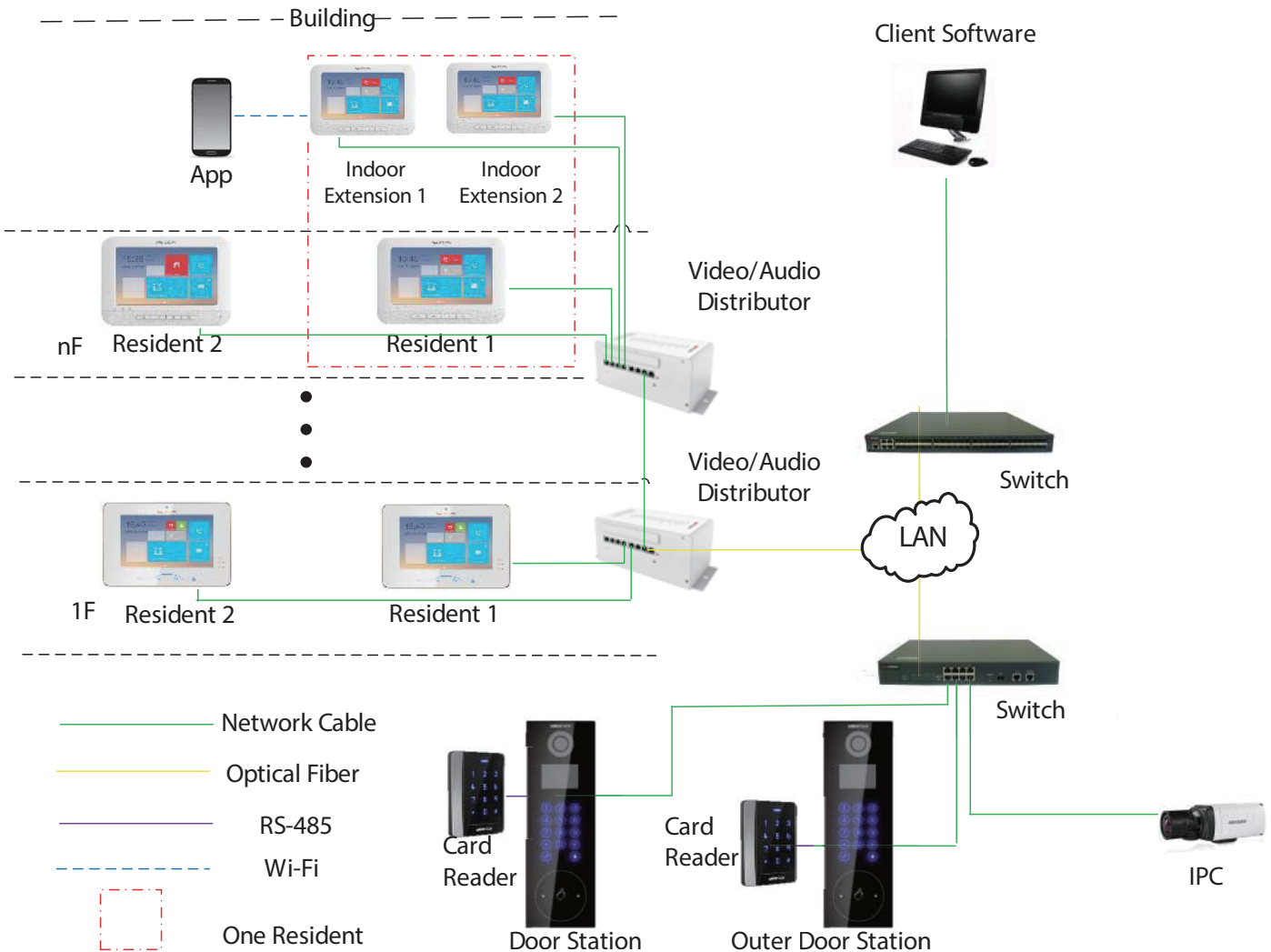
Alarm Functions
◆ Tamper alarm and door open alarm supported
◆ Auto-uploads alarm messages to master station or the client once the duress code is entered to open the door

Video / Audio Fuction
◆ Message notification function
◆ Auto-uploads captured pictures to FTP or the client

TYPICAL APPLICATION

Building

App

Indoor Extension 1   Indoor Extension 2

Client Software

nF   Resident 2   Resident 1

Video/Audio Distributor

Switch

Video/Audio Distributor

LAN

1F   Resident 2   Resident 1

Switch

Network Cable
Optical Fiber
RS-485
Wi-Fi
One Resident

Card Reader   Card Reader

IPC

Door Station   Outer Door Station

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 Color Camera
	Video compression standard	H.264
	Resolution	1280 X 720
	Video frame rate	PAL: 25 fps, NTSC: 30 fps
Display parameters	Display screen	3.5-inch Color TFT LCD
	Display resolution	480 x 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	Internet card reader	Built-in IC Card Reader
	External card reader	Wiegand 26, Wiegand 34, or RS-485 IC Reader
	Door open detection	Detects Door Open Status via magnetic sensors on the door
IR human detection	Approaching detection	Supporting IR Detection, Vertical Distance: from 60cm to 80cm
Light supplement	Lights supplement mode	Visible Light Supplement
Network parameters	Ethernet	10/100/1000 Mbps Self-Adaptive Ethernet
	Network protocol	TCP/IP, RTSP
Alarm parameters	Alarm input	Door Open Alarm, Tamper Alarm
Device interfaces	Network Interface	1 RJ-45 10/100 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	12VDC
	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 x W x H)	418mm x 145mm x 61mm (16.5" x 5.7" x 2.4")
	Certification	FCC, IC, CE, C-TICK, ROHS, REACH, WEEE

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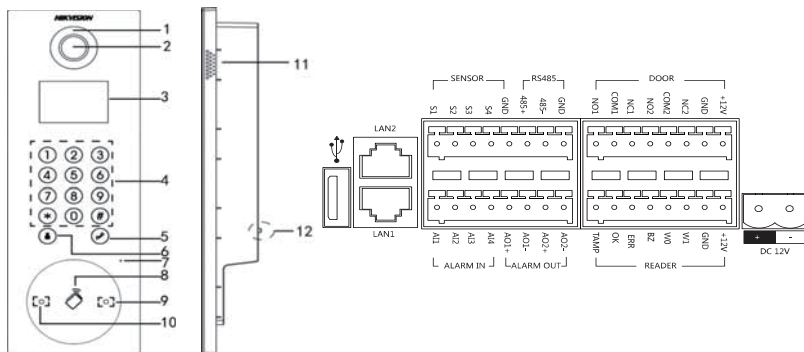
Index	Description	Index	Description
1	Low Illumination Supplement Light	7	Microphone
2	Built-in Camera	8	Card Induction Area
3	LCD Display Screen	9	IR Emission
4	Numeric Keypad	10	IR Receiver
5	Call Key	11	Loudspeaker
6	Call Center Key	12	TAMPER