

DHI-SCP3044A-BZ

4-Wire Hybrid Smart Control Panel



Functions

Smart Control Panel

Features multiple functions such as video intercom, video monitoring and wireless alarm. Its Android 14 system supports the installation of APK files, allowing for the expansion of third-party applications.

Scene

It is ideal for villas, communities, apartments and hotels, and is well suited for offices.

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Android 14
Network Protocol	IPv4;RTSP;UDP;DNS;FTP;RTP;TCP;SIP

Basic

Screen Type	Capacitive Touchscreen
Display Screen	10.1-inch display screen
Screen Resolution	1280 (H) × 800 (V)
Audio Compression	G.711a; G.711u; PCM
Audio Input	1 channel
Audio Output	Built-in speaker
Audio Mode	Two-way audio
Audio Enhancement	Echo suppression/digital noise reduction
Audio Bit Rate	16 kHz, 16 bit

Function

Communication Mode	Full digital;Analog 4-wire
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- Adopts the Android 14 system, offering advanced performance and a user-friendly experience.
- Featuring a sleek full-screen design with an ultra-narrow black border, this device combines style and minimalism for an exceptional visual experience.
- With its 10.1-inch IPS capacitive touchscreen and multi-touch technology, the screen offers wide viewing angles of up to 80 degrees both horizontally and vertically, significantly enhancing work efficiency and operational flexibility.
- Supports multiple communication modes including IP, Wi-Fi and IP four-wire.
- Includes multi-color indicators that feature the breathing light function to keep you updated on status changes.
- Wakes up automatically when a person approaches for a seamless experience.
- Equipped with a built-in light sensor, the device automatically adjusts the screen brightness for comfortable viewing.
- With its built-in temperature and humidity detectors, you can effortlessly monitor the conditions in your house at any time straight from the home screen.

Information Release	Receive and view the published information from the management center
Elevator Control	Residents can call the elevator through this device to their floor.
Leave Videos	Yes (SD card is inserted in the indoor monitor or door station)
DND Mode	Do not disturb period can be set
Number of Extensions	Villa: 1 main VTH and 9 extensions Apartment: 1 main VTH and 4 extensions
Expansion Module	ZigBee module Wireless 868 MHz Sensor Bluetooth module
Storage	Supports micro SD card storage (up to 512 GB)

Network

Wi-Fi	Yes
Wireless Standard	IEEE 802.11a/b/g/n/ac/ax
Wireless Frequency Range	2.4 GHz; 5 GHz
Max. Transmission Power	≤ 20 dBm @ 2400-2483.5 MHz

Bluetooth

Wireless Standard	BR/EDR/BLE
Wireless Frequency Range	2400-2483.5 MHz

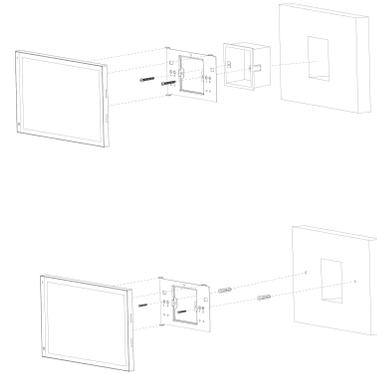
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Max. Transmission Power	≤ 20 dBm @ 2400-2483.5 MHz
Bluetooth	Yes
Zigbee	
Wireless Standard	802.15.4
Wireless Frequency Range	2400-2483.5 MHz
Max. Transmission Power	≤ 10 dBm @ 2400-2483.5 MHz
Zigbee	Yes
Sub 1G	
Wireless Frequency Range	868-868.6 MHz
Max. Transmission Power	14 dBm @ 868-868.6 MHz
Modulation Method	FSK/GFSK
Port	
RS-485	1
USB	1
Alarm Input	8 channels
Alarm Output	1 channel
Power Output	1 port (12 V, 200 mA)
Doorbell	Yes (use the alarm input port)
Network Port	1 × 10/100 Mbps Ethernet port
4-wire	1
Performance	
Casing Material	PC + ABS
General	
Appearance Color	Gray
Power Supply	12 VDC, 2 A Standard PoE
Power Adapter	Optional
Installation	Flush Mount
Certifications	CE
Accessory	Included: RS-485, power output cable, bracket, alarm cable, and analog cable. Optional: Power cord
Product Dimensions	246.5 mm × 156.1 mm × 33.0 mm (9.70" × 6.15" × 1.30") (H × W × D)
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	10%–95% (RH), non-condensing
Operating Altitude	Below 3,000 m (9,842.52 ft)
Power Consumption	≤ 12 W (standby), ≤ 15 W (working)
Gross Weight	1,590 g (3.51 lb)
Storage Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Humidity	30%–75%
Operating Environment	Indoor

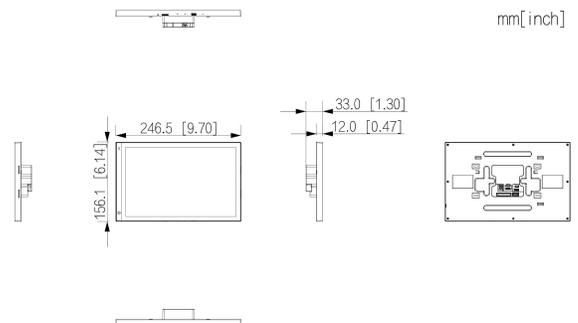
Ordering Information

Type	Model	Description
Smart Control Panel	DHI-SCP3044A-BZ	4-Wire Hybrid Smart Control Panel

Installation



Dimensions (mm[inch])



Application

