



Home Control Center

The HCC design integrates smart intercom, ZigBee gateway, infrared remote control function and home automation.

 by Oscar Rechou

Product Overview

The Home Control Center is designed to be widely compatible with third-party devices and platforms, offering seamless integration with various smart home ecosystems. This compatibility ensures that users can easily incorporate the HCC into their existing smart home setups or build new systems around its capabilities.

1 7-inch Touch Screen

The HyPanel Pro features a large, responsive 8-inch touch screen for easy control and navigation.

2 5 Million Pixel Camera

Equipped with a high-quality 5 million pixel camera with privacy shutter for enhanced security and communication.

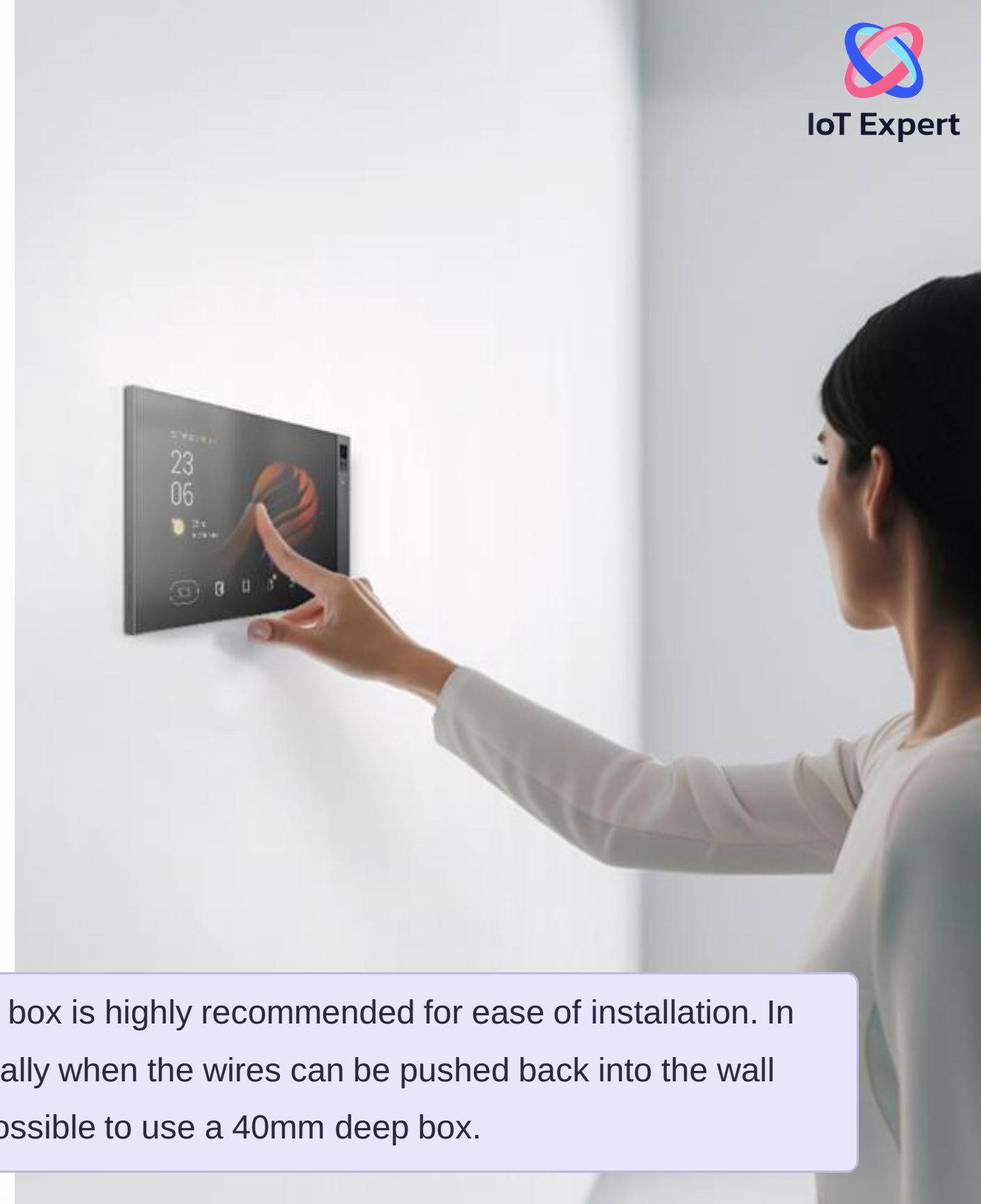
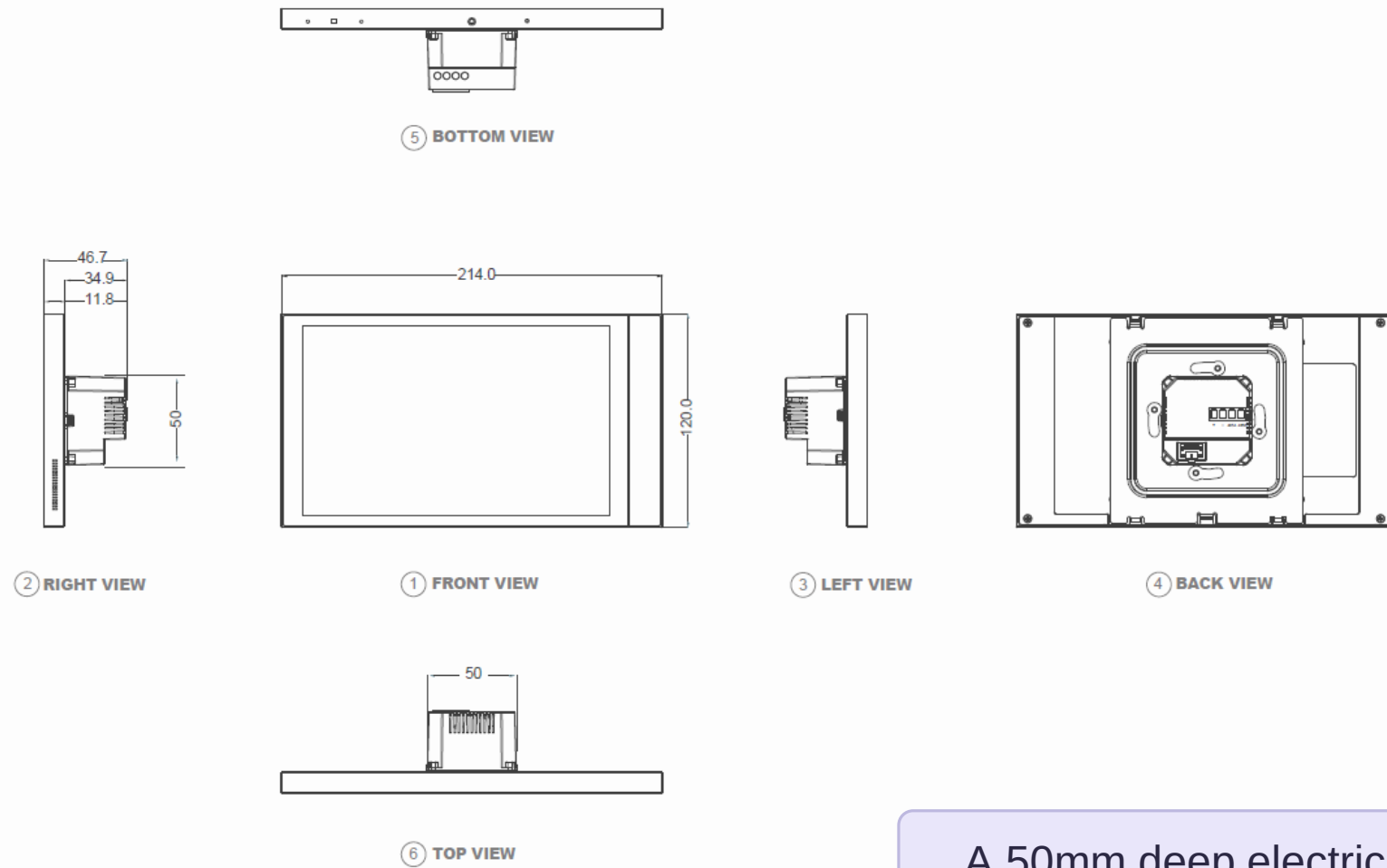
3 Metal Body

The device boasts a stylish metal body with additional design embellishments for a premium look and feel.

4 PoE power

Includes a built-in PoE adapter for convenient connection to a PoE Switch.

Product Specification



A 50mm deep electrical box is highly recommended for ease of installation. In some scenarios, especially when the wires can be pushed back into the wall far enough, it may be possible to use a 40mm deep box.

Technical Information

Technical Specifications

- Model Number: HCC-POE-EU
- Power Supply: POE / 12-24VDC
- Operation System: Android 10
- RAM/ROM: 2GB/ 16GB
- High-powered Qualcomm Chip
- Bluetooth: BLE 4.2
- Wi-Fi: IEEE802.11 b/g/n, @2.4GHz
- Ethernet ports: 1xRJ45, 10/100Mbps adaptive
- ZigBee: ZigBee 3.0
- RS-485 Interface
- Microphone: Dual microphone,-26DBFS
- Speaker: Single speakers, 8Ω / 1.5W

Advanced Functionality

1 Multiple Sensors

Various built-in sensors enhance the device's capabilities and responsiveness.

3 Android 10 System

Powered by a high-performance Qualcomm chip running Android 10 operating system.

2 Infrared Remote Control

Supports infrared remote control functionality for managing traditional home appliances.

4 All-in-One Solution

Integrates smart intercom, ZigBee gateway, and home automation in a single device.

Built-in Sensors



Proximity Sensor

Detects nearby objects or user presence

Range: 30~60cm



Light Sensor

Measures ambient light levels

Low-level lux detection



Temperature Sensor

Monitors room temperature

Accuracy: $\pm 1^{\circ}\text{C}$,
Range: -10°C ~ 55°C



Humidity Sensor

Measures air moisture levels

Accuracy: $\pm 5\%$,
Range: 10%~90%RH,
without condensation

Working Environment and Installation

Working Environment

- Environment: For indoor use only
- Working Humidity: 10~90%
- Working Temperature: -10°C ~ +55°C
- Storage Temperature: -20°C ~ +65°C

Installation Details

- Installation: Wall flush mounting
- Flush Mounted Module: EU standard
- Wiring Way: POE, 12-24VDC, RS-485 A/B