Yealink MVC S90-C5U Datasheet

Microsoft Teams Rooms System for Extra-Large Rooms

The Yealink S90 is a cutting-edge solution for Microsoft Teams Rooms, designed to enhance collaboration and is ideal for extra-large meeting spaces. This set includes the new-generation mini-PC MCore 4, the large-screen touch panel MTouch Plus, the 4K dual-eye camera UVC86, the audio and video processor AVHub, the intelligent detection sensor RoomSensor, and VCH51 Pro.

Powered by the Intel Ultra5 125H processor, the MCore 4 delivers outstanding data processing capabilities and powerful AI computing power, offering a stable and efficient video conferencing experience. The MVC S90 set comes standard with two UVC86 cameras, which can support 12x optical zoom-in and intelligent follow-up shooting. When paired with AVHub, users can customize the screen layout and realize Yealink's exclusive multi-camera solution, which can support up to 9 cameras connected at the same time, and realize multi-speaker tracking with voice incentive mechanism functions, adapting to the audio and video conferencing needs of various large and super large meeting rooms, classrooms, and training rooms. With the VCH51 Pro, simply plug the USB cable into your PC to effortlessly utilize the system's audio and video equipment, transforming your Microsoft Teams meeting room into versatile, multi-functional modes.

Additionally, to streamline meeting control, the MTouch Plus features an 11.6-inch touch interface for intuitive device operation, while the RoomSensor intelligently detects the occupancy status of the meeting room and simultaneously displays real-time environmental metrics like temperature and humidity on the MTouch Plus interface, delivering intelligent room management solutions. The MVC S90 also supports both wired and wireless screen sharing, enabling participants to share content effortlessly. Meanwhile, the system's simple deployment and remote management capabilities make it easy to install and maintain, reducing setup time and operational complexity.

Key Features and Benefits

Multi-cam solution, Flexible layout

Relying on the audio and video processor AVHub, Yealink realizes the multi-camera solution that supports up to 9 Yealink cameras. Users can control them independently through MTouch Plus or splice the output video of multiple cameras and adjust the output video layout as desired. Multiple sets of MVC S90 series can be combined through network cables to build a conference room system that can be flexibly merged and divided.

Intelligent tracking, Free your hands

Yealink UVC86 intelligent PTZ camera supports multiple tracking functions: Auto-framing, Speaker Tracking, and Presenter Tracking. Speaker Tracking of Yealink UVC86 supports region trigger without the operating, automatic framing speaker. Support gesture turns ON/OFF so that it can be used in every scenario. Equipped with a Yealink camera plug-in controller, the camera can freely switch at any time in up to 9 preset positions and can also quickly switch preset tracking modes, one-step adjustment, one step in place. The UVC86 camera supports 4K video output and has a 12x optical zoom lens to provide clear and lossless images. UVC86 provides you with a face-to-face, intelligent, and smooth meeting experience by accurately recreating every moment and detail.

Seamless Meeting Experience with Native Microsoft Teams Integration

The entire MVC S90 bundle is equipped with a native Microsoft Teams user interface, ensuring a familiar and intuitive experience for users. The MTouch Plus touch panel provides easy access to one-click conferencing, call control, camera adjustments, and content sharing, while the RoomSensor automatically wakes up the system as participants enter the room. This seamless integration ensures that meetings start effortlessly and run efficiently, enhancing productivity and collaboration.

Outstanding Data Processing Capability

At the core of the MVC S90 is the MCore 4, powered by the Intel Ultra5 125H processor, boasting exceptional data processing capabilities and powerful AI computing capability with its NPU. It ensures smooth and efficient meetings, enabling intelligent conferencing features. The MCore 4 empowers smart meeting rooms, providing a stable and efficient operating environment for immersive remote communication.

Real-Time Content Sharing for Enhanced Collaboration

The bundle supports both wired and wireless content sharing for maximum flexibility. Wireless content sharing is made simple with the WPP30 adapter, enabling one-click sharing at 1080P/30fps resolution for a superior viewing experience. Wired sharing is also available via USB-C or HDMI ports. Additionally, the MCore 4 is equipped with an HDMI-In interface, supporting 4K resolution auxiliary stream input to ensure lossless image presentation, further enhancing the content sharing experience.

Simple Deployment and Easy Use

A single CAT5e cable is sufficient to connect the MCore 4 and MTouch Plus, enabling both data transmission and power supply without the need for additional cables or power sources. Additionally, the RoomSensor operates via Bluetooth (BLE), eliminating the need for extra cables.

Remote Device Management

These devices can support the Yealink Device Management Platform/Cloud Service, enabling remote management, monitoring, configuration, updates, and diagnostics of all connected devices. This feature ensures that your meeting room is always up-to-date and operating at peak performance.

Specifications

Parameter	Description
Package Content	• MCore 4 • MTouch Plus • RoomSensor • UVC86 x 2 • AVHub • VCH51 Pro
Preload	• Windows 11 IoT enterprise X64 • Windows 11 IoT enterprise license • Microsoft Teams Rooms app • Yealink RoomConnect

MCore 4, Gen-4 Mini-PC	• Processor: Intel Ultra5 125H • Memory: 16GB(2*8GB) DDR5 • Storage: 256GB SSD BIOS feature: • 3x HDMI video output - CEC - EDID • TPM2.0 • Kernel DMA Interfaces: • 1 x HDMI-Out 2.1 port • 2 x HDMI-Out 2.0 port • 1 x HDMI-In port • 4 x USB3.0 type-A port • 1 x MTouch port (RJ-45) • 1 x LAN port for AV network • 1 x 10/100/1000 Gigabit Ethernet port • 1 x power supply port • 1 x 3.5mm headphone port • 1 x reset port • 1 x security slot • WiFi: IEEE 802.11 a/b/g/n/ac/ax • Bluetooth: BT5.2
MTouch Plus	Physical features: • 11.6-inch narrow bezel IPS display • Angle between screen and desktop (30° ~ 70°) • Adjustable angle of support frame (50° ~ 180°) Function features： • 1920 x 1080 video resolution • Support wired and wireless (with WPP30) content sharing • Support an external PD power supply to power the sharing device

	• Support HDMI/USB-C video input • Support desktop placement, desktop fixed, and wall-mounted deployment
RoomSensor	• Detection angle: 120° • Adjustable detection angle: ±20° • Operating temperature: 0-40°C • Operating humidity: 10-95%
UVC86 USB PTZ Camera	Camera: • 4K sensor • 20.4 × HD zoom (12x optical, 1.7x digital) • 90° DFOV, 81° HFOV, 50° VFOV (Telephoto lens) • 120° DFOV, 110° HFOV, 78° VFOV (Panoramic lens) • Up to 9 preset positions can be set • Horizontal rotation: 200° • Vertical rotation: 130° AI feature: • Auto-framing • Speaker tracking • Presenter tracking, support area trigger, and gesture control • Multi-focus • Picture-in-picture Interfaces: • 1 x HDMI output • 1 x Yealink microphone port (RJ-45) • 1 x USB 3.0 type-B port • 1 x USB 2.0 type-A Port • 1 x power port • 1 x security lock • 1 x reset hole
AVHub, audio and video	Interfaces: • 2 x USB-A port • 1 x USB-B port

processor	• 1 x Codec port • 7 x Yealink VCH port (RJ-45) • 1 x RCA in/out interface • 1 x 6.3mm line in interface • 1 x 6.3mm line out interface • 1 x power interface Function features： • Dividable and merging meeting rooms are supported • Support intelligent multi-speaker tracking • Support Multi-Stream IntelliFrame (on device)
VCH51 Pro	Interfaces: • 1 x 1000Mbps RJ45 port (IEEE 802.3af, full-duplex) • 1 x USB 2.0 Type C (with DP video input) • 1 x PD power port Physical Features: • Operating humidity: 10 - 95% • Operating temperature: 0 - 40°C • Dimension (W.D.H): 144 x 65 x 18 mm