Yealink MVC S98-C5U Datasheet

Microsoft Teams Rooms System for Extra-Large Meeting Rooms

The Yealink MVC S98 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 intelligent four-lens camera SmartVision 80, the audio and video processor AVHub, the gigabit PoE+switch RCH40 E2, 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 S98 set comes standard with three SmartVision 80 cameras, which feature an innovative four-lens setup comprising a PTZ camera and three electronic cameras, ensuring comprehensive coverage of each corner of the meeting rooms and clear close-up shots of attendees. 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. Combined 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 S98 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

Four-lens Camera Captures Every Detail with Exceptional Clarity

The SmartVision 80 is equipped with three electronic cameras and a PTZ camera. The electronic cameras include a panoramic lens and two telephoto lenses, ensuring comprehensive coverage of the meeting room and delivering clear images of every participant. To further enhance clarity, the PTZ camera features 20x optical zoom, maintaining sharp focus even at a distance and providing an exceptional, high-quality visual experience.

Powerful Intelligent Tracking Delivers Immersive Meetings

The SmartVision 80 enhances the remote meeting experience with a variety of tracking modes, like IntelliFocus, Presenter Tracking, Speaker Tracking, and Auto Framing. When multiple SmartVision 80 units are used together, they expand the shooting range and introduce advanced capabilities such as Multi-camera Intellifocus, Intelliframe, Mic and Camera Linkage. These features improve tracking accuracy and coverage, creating a more professional and efficient online meeting environment.

Multi-cam Solution, Flexible Layout

Relying on the audio and video processor AVHub, Yealink realizes a 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 S98 series can be combined through network cables to build a conference room system that can be flexibly merged and divided.

Outstanding Data Processing Capability

At the core of the MVC S98 is the MCore 4, powered by the Intel Ultra5 125H processor, boasting exceptional data processing capabilities and powerful AI computing capabilities 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 • SmartVision 80 × 3 • AVHub • RCH40 E2 • 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: 16 GB (2 × 8GB) DDR5 • Storage: 256 GB SSD BIOS features: • 3 × HDMI video outputs - CEC - EDID • TPM2.0 • Kernel DMA Interfaces: • 1 × HDMI-Out 2.1 port • 2 × HDMI-Out 2.0 ports • 1 × HDMI-In port • 4 × USB3.0 type-A ports • 1 × MTouch port (RJ-45) • 1 × LAN port for AV network • 1 × power supply port • 1 × 3.5mm headphone port • 1 × reset port • 1 × security slot • WiFi: IEEE 802.11 a/b/g/n/ac/ax • Bluetooth: BT 5.2
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 × 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%
SmartVision 80	Camera: • PTZ camera: 20×optical zoom • 69° DFOV, 61.5° HFOV, 36° VFOV (PTZ camera) • 110° DFOV, 98° HFOV, 82° VFOV (panoramic camera) • 51° DFOV, 41.6° HFOV, 32° VFOV (telephoto camera) AI feature: • IntelliFrame • Participant identification • IntelliFocus • Speaker tracking • Presenter tracking • Video fence • PIP • Auto framing Interfaces: • 1 × USB 3.0 type-B port • 1 × USB 2.0 type-A port • 2 × VCH port (RJ45) • 1 × network port (RJ45) • 1 × HDMI out port • 1 × line in port • 1 × line out port • 1 × reset button • 1 × DC power port
AVHub, audio and video	Interfaces:

processor	• 2 × USB-A port • 1 × USB-B port • 1 × codec port • 7 × Yealink VCH port (RJ-45) • 1 × RCA in/out interface • 1 × 6.3mm line in interface • 1 × 6.3mm line out interface • 1 × power interface Function features: • Dividable and merging meeting rooms are supported • Support intelligent multi-speaker tracking
RCH40 E2	Interface & LED: • 4 × 10/100/1000Mbps port • 1 × LED indicates power state • 1 × LED indicates PoE budget Physical features: • Multiple deployment methods • 90 W total PoE budget (30 W per port) • Support standard PoE supply (802.3af) • Power adapter: PSE 48V 2A • Dimension(WDH): 100 mm × 100 mm × 23 mm • Operating humidity: 5%–90%
VCH51 Pro	Interfaces: • 1 × 1000Mbps RJ45 port (IEEE 802.3af, full-duplex) • 1 × USB 2.0 Type-C (with DP video input) • 1 × PD power port Physical features: • Operating humidity: 10–95% • Operating temperature: 0–40°C • Dimension (W × D × H): 144 × 65 × 18 mm