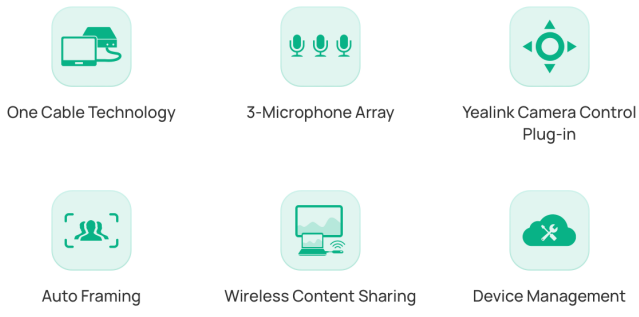
Yealink MVC840 Datasheet

Microsoft Teams Rooms System for Medium and Large Meeting Rooms

Yealink MVC840 is specially designed for medium and large conference rooms. MVC840 includes a new generation of high-performance MINI-PC MCore Pro, a touch panel MTouch Plus, and a high-performance 4K PTZ camera, UVC84. Yealink third generation MINI-PC MCore Pro combines aesthetics with practicality, supports a 5k 21:9 display, has three HDMI ports, and comes with EDID, providing a flexible and reliable deployment solution for conference rooms. The 11.6-inch ultra-large and narrow frame touch panel MTouch Plus is the signature product of the third generation of Yealink. MTouch Plus innovatively supports multiple panels to control meetings at the same time*, allowing multiple people to synchronize meeting operations and fully control the meeting process. Support for third-party screen sharing*. Equipped with Yealink conference room sensor RoomSensor, realize stable wake-up experience and conference room environment detection*. Yealink UVC84 has a 4K lens that supports 12x optical zoom and 3x digital zoom, an 80° wide Angle, and a pan-tilt that allows it to cover every corner of the conference room. You can use wired (VCM35, VCM38) or wireless (VCM36-W, CPW65) microphones for pickup, adaptive desktop placement, ceiling deployment, and other diverse conference room deployment scenarios.

*This feature will be supported in future versions



Key Features and Benefits

Big and flexible conference control experience

Yealink's third-generation touch panel, MTouch Plus, has a 11.6-inch narrow-frame touch area and is the iconic product of Yealink's third-generation. Yealink third-generation touch panel innovatively supports multiple panels to control conferences simultaneously*. You can freely choose the deployment position of each panel according to the deployment needs of the conference room and

fully control the conference process.

*This feature will be supported in future versions

Smart framing, Smart noise reduction

Yealink UVC84 camera supports an intelligent framing function, frees your hands during the meeting, and focuses on the meeting itself; with the Yealink camera control plug-in, the camera can realize the preset position function, one-key adjustment, and one-step. The UVC84 camera can support 4k video output and is equipped with a 12x optical zoom lens to provide clear and lossless images. The Yealink MVC840 combo supports different types of microphones and combines with Yealink video conferencing speakers to provide you with a high-quality audio solution. Yealink's intelligent noise cancellation technology can effectively eliminate background interference and noise, allowing you to hear every participant's speech clearly.

Convenient screen sharing

The MVC840 supports Yealink's unique WPP30 wireless screen sharing solution and third-party screen sharing solution*, providing participants with maximum flexibility. Users only need to plug in WPP30 or pair it with third-party screen sharing. With a high resolution of 1080P/30 frames, it provides users with a better way to share content. It truly realizes the conference room experience that you want.

*This feature will be supported in future versions.

Simple to deploy, Easy to use

With the VCH port and USB port, the Yealink audio and video system is specially designed for video meeting rooms so that the deployment can be easily extended. At the same time, the cable management feature of Yealink MCore Pro ensures the wire connection's stability, and the most appropriate connection can be achieved according to the layout of the meeting room. One CAT5e is enough to connect the TV area and the conference table area, and to complete the data transmission and power supply, no additional power supply or extension cable is needed, which not only simplifies the deployment but also effectively reduces deployment costs.

Manage your devices remotely

This solution supports Yealink Device Management Platform/Cloud Service, and you can flawlessly manage, monitor, configure, update, and diagnose all Yealink audio and video device peripherals on this platform remotely.

Specifications

Parameter	Description
Package Content	• MCore Pro, Gen-3 Mini-PC • MTouch Plus, Gen-3 touch panel

	• UVC84 USB PTZ camera • RoomSensor, meeting room sensor • CPW65 DECT wireless microphone (optional) • MSpeaker II (optional) • VCM35 Array microphone (optional) • VCM36-W Wi-Fi wireless microphone (optional) • VCM38 Ceiling array microphone (optional)
Preload	• Windows 11 IoT Enterprise X64 • Windows 11 IoT Enterprise License • Microsoft Teams Rooms App, support Skype for Business on-premise/ online and Teams meetings • Yealink RoomConnect
MCore Pro, Gen-3 Mini-PC	• 11th Gen Intel® Core i5 • Memory: 8 GB (2 x 4GB) • Storage: 128 GB SSD • 3x HDMI video output with CEC supported • TPM2.0 • Kernel DMA • EDID • Wi-Fi: IEEE 802.11 a/b/g/n/ac/ax • Bluetooth: BT 5.2 • 1 x Yealink MTouch port (RJ45), connect to MTouch Plus/MTouch E2 • 4 x USB 3.0 Type-A • 1 x 10/100/1000M Ethernet port • 1 x Power port • 1 x Security lock slot, Integrated cable management
MTouch Plus	• 11.6-inch narrow bezel IPS display • 1920 x 1080 video resolution • Angle between screen and desktop (30° ~ 70°) • Adjustable angle of support frame (50° ~ 180°) • Support wired and wireless (with WPP30) content sharing • Support multi-screen control* • Support third-party screen sharing*

	• Support external PD power supply to power the sharing device • Support HDMI/USB-C video input • Support desktop placement, desktop fixed, wall-mounted deployment *This feature will be supported in future versions
RoomSensor	• Detection angle: 120° • Adjustable detection angle: ±20° • Operating temperature: 0-40°C • Operating humidity: 10-95% • Power: Battery powered, 4 year life
UVC84 USB PTZ camera	• 4K Sensor • 12x optical zoom • Field of view (diagonal): 80° • Field of View (Horizontal):73° • Field of View (Vertical)： 45° • Auto Framing • Camera presets • Pan range: 200° • Tilt range: 130° • 1 x Line-out (3.5mm) • 1 x Yealink Microphone port (RJ-45) • 1 x USB 2.0 Type-B • 1 x Power port • 1 x Security lock slot • 1 x Reset slot
CPW65 (optional)	• 360° omnidirectional pickup • Signal-to-noise ratio: 65dB SPL@1KHz,A-weighted • Loudest Pressure level: 110dB@1KHz, THD< 3% • Equivalent noise: -110dBFS(A) • Dynamic range: 81dBFS • Sensitivity: -32db+/-2 • Frequency response: 100Hz-8KHz • 2-meter radius full duplex range • 6 m pickup radius

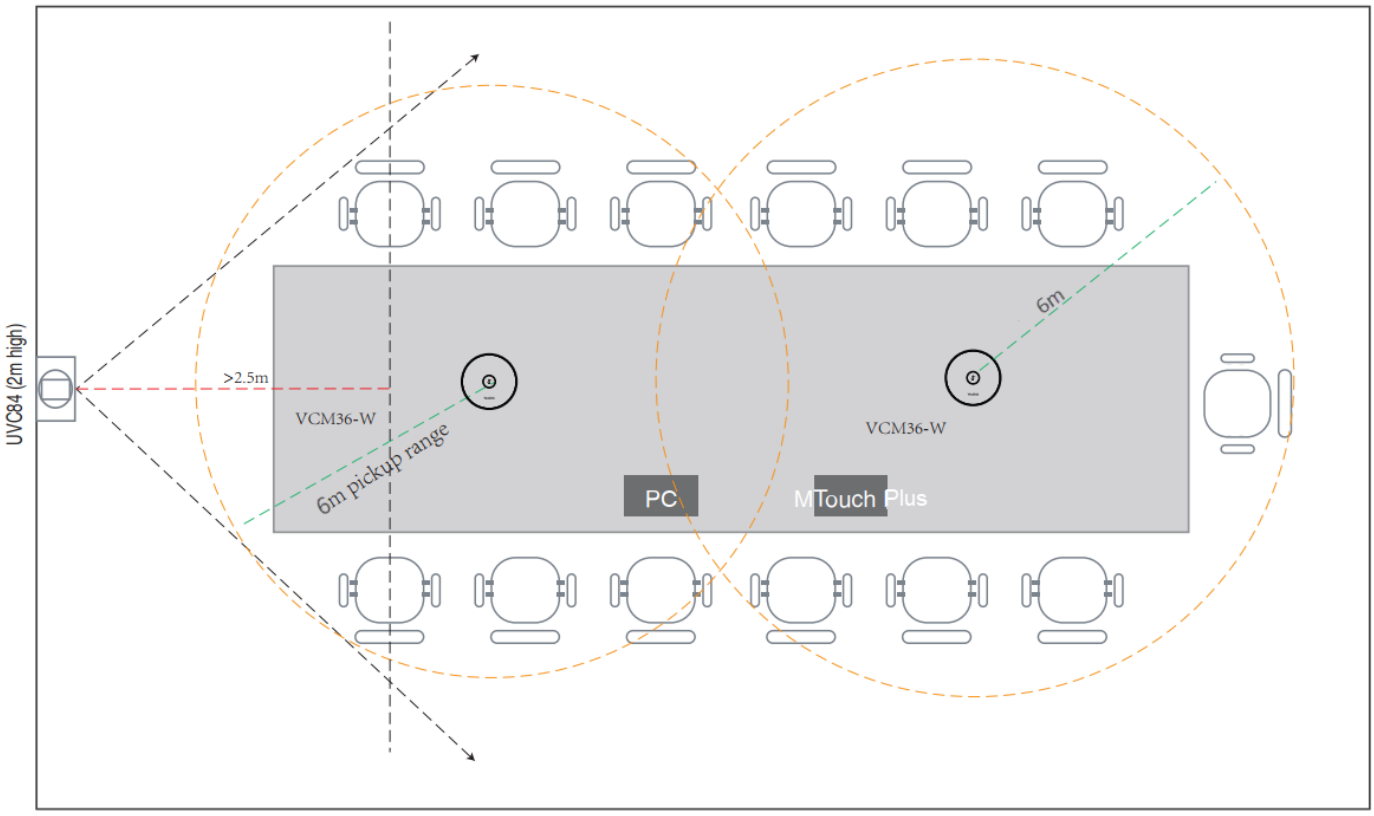
	• Use Yealink WDD60 for pairing • Two-color LED capacitive touch mute button
MSpeaker II (optional)	• Frequency response: 106Hz-20 KHZ • Maximum Loud Pressure level: 88±3dB@8W / 1M • Sensitivity: 79±3dB@1W/1M • S/N: ⩾70dB • 3.5mm linear input interface
VCM35 (optional)	• Built-in three-microphone matrix • 360° omnidirectional pickup • Signal to noise ratio: 60dB SPL@1KHz, A-weighted • Loudest Pressure level: 115dB@1KHz, THD<3% • Equivalent noise: -105dBFS(A) • Dynamic range: 81dBFS • Sensitivity: -45dB±2 • Frequency response: 100Hz-8KHz • 2m radius full duplex range • 5m pickup radius • Support star cascading • Two-color LED capacitive touch mute key
VCM38 (optional)	• Built-in six-mic matrix • 360° omnidirectional pickup • Signal-to-noise ratio: 65dB SPL@1KHz, A-weighted • Maximum sound pressure level: 110dB@1KHz, THD<3% • Equivalent Noise: -110dBFS(A) • Dynamic Range: 81dBFS • Sensitivity: -45dB±2 • Frequency Response: 100Hz-8KHz • 2m radius full duplex range • 5m pickup radius • Up to 8 units can be cascaded • Two-color LED capacitive touch mute key
VCM36-W (optional)	• Built-in three-wheat matrix • 360° omnidirectional pickup

	• Signal to Noise ratio: 60dB SPL@1KHz, A-weighted • Loudest Pressure level: 115dB@1KHz, THD< 3% • Equivalent noise: -105dBFS(A) • Dynamic range: 81dBFS • Sensitivity: -45dB±2 • Frequency response: 100Hz-8KHz • 2-meter radius full duplex range • 6 m pickup radius • 2450mAh battery with wireless charging • 7 days standby time, up to 12 hours of continuous use • Two-color LED capacitive touch mute button
Package Features	• N.W/CTN: 6.6 kg • G.W/CTN: 7.3 kg • Carton Meas: 595 mm x 393 mm x 258 mm

*This feature will be supported in future versions

Meeting Room Deployment Scenarios

The deployment positions of microphones and UVC cameras may affect your meeting experience. Refer to the diagram below to deploy or adjust your conference room.



- 2m high: We recommend a camera deployment height of approximately 2 meters for an improved meeting experience. You can adjust this based on your specific needs.
- UVC84 is a mechanically rotatable camera, allowing you to choose your framing and viewing angle.
- >2.5m: We suggest a minimum camera-to-person distance of 2.5 meters, which can be adjusted to suit your actual meeting room conditions.
- 5m pickup range: This indicates the excellent pickup range of the VCM36-W, with a pickup distance of up to 5 meters.
- PC and MTouch Plus are recommended deployment locations, but you can adjust them according to your specific requirements.

MVC Kit

Meeting Room Type	Model	Model
Medium and Large Meeting Room	MVC840-C5-000	UVC84 MCore Pro MTouch Plus RoomSensor