This document serves as the deployment guide for Yealink SmartVision40 and MTower devices. MTower, as an MTR accessory, is used in conjunction with the main equipment in medium to large conference rooms. Paired with SmartVision40, it enables intelligent framing and optimal portrait view switching without the need for additional configuration. This document will provide recommendations on device deployment, connection, and functional settings.

1. Device Deployment



1.1 Recommended Deployment Locations

- Deploy the SmartVision40 and the main camera of the MTower (the camera directly above the VideoMute button, facing the main position) along a horizontal line as much as possible.
- Once deployment is complete, ensure that the MTower remains stationary.
- To ensure capturing the first row of people, we recommend the MTower's maximum distance from the front edge of the table, as referenced in the table below:





• The MTower's camera solution has a blind spot in the direction of the TV (38°). The deployment position of the MTower corresponds to the TV size as follows: for example, when deployed at a direct distance of 2.2 meters from the SmartVision40 (S40), the physical shielding area can block a 65-inch TV.





• If the TV screen still appears in the MTower's frame, or if the MTower's deployment position has already been determined, we recommend manually configuring the shielding area in the MTower's device settings to block the TV area (up to 5 shielding areas are supported).

1.2 MTower Connection Method

• Device Connection Topology Diagram:



• The MTower needs to be connected to PoE for power supply (refer to the recommended connection method in the QSG).



5 Connection



• Currently, only **one** MTower can be connected.

1.3 Software Firmware Version:

Device	Version
MTower	322.410.0.20
SmartVision40	286.413.0.65
Yealink RoomConnect	2.34.50.0

2. Function Usage

Purpose	Steps	
After connecting the MTower, enable the Intelligent Framing feature.	1. No additional configuration is required for the Optimal Portrait	• The /
No additional configuration is required to experience the optimal	feature.	featu
portrait effect.2. It is recommended to use the Multi-Speaker Tracking (IntelliFormation)		• The F
feature for a better experience (you need to first trigger the portrait		Spea
	framing by speaking, then adjust the angle for further experience).	

Notes

AutoFraming mode does not support the optimal portrait ure.

Facial Super-Resolution feature only works when the

aker Tracking function is active.



	Yealink RoomConnect	\$ – ×	
	☆ HomePage	General Settings	
		Advanced Settings	
	SmartVision 40	Tracking Feature	
	E Device Status	Fracking Mode IntelliFocus	
	ペ Device Settings	Speaker Quantity 4 V	
	□ Image Setting	Room View	
	Network Settings		
		Portrait Sort	
	Davies Support	Priority Area	
If the video wall feature is already enabled on your S40, when first	1. After the S40 is connected to the MTowe	r, a prompt will appear in th	e The
connecting the MTower, you will need to configure the direct distance	YRC to configure the distance:		MTo
between the S40 and MTower in the video wall interface to achieve	Yealink RoomConnect	Image: A state of the state	0110
better synchronization between the S40 and MTower.	SmartVision 40 MTowe	er	
	Firmware Version: 286.413.0.65 Firmware Hardware Version: 286.0.16.0.0.0 Hardware	Version: 322.410.0.20 Version: 322.0.112.0.0.0	
	Ser SmartVision 40 needs to be reconfigured Video	206173G100000302	540
	Fence before use with MTower, otherwise there may be issues during device usage		540
	Cancel Configure		
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			- made
	 If the distance is not successfully confi 	gured, the configuration	 After
	prompt will appear again.		wall
	Y Pealink RoomConnect	© – ×	
	SmartVision 40 MTowe	r	
	Firmware Version: 286.413.0.65 Firmware	• Version: 322.410.254.402	
	Hart Hart Ser	1017: 322.0.128.0.0.0.0 :06173G100000302	
	not configured or the data is incorrect. Video Fence can not work properly. There may be issues		
	during device use		
	Cancer		

configured distance is the distance between the S40 and the wer.



The distance between the MTower and the S40.

r the MTower is disconnected from the S40, the previous video configuration on the S40 will be retained.



2. Configure the distance between the S40 and MTower in the **Device** Settings > Advanced Settings > Video Fence Settings on the S40:



• When hovering over the area, the distance measurement method and distance limit range will be displayed:







3. Known Issues Clarified

• A maximum of **5** shielding areas can be configured.

• The orange area represents the **shielded area**.

• Once set as a **shielded area**, the portrait in that region will not be framed.



Issue Type	Issue Description	Version Plan & Recommended Counte
Optimal Portrait	1. When a person in the first row (within the red frame	• The issue will be resolved in the January 2025 GA version.
Experience	 area) faces the TV while speaking, they will not be framed. 2. The S40 can capture the person, but the MTower cannot, and the person's portrait will not be framed. 	• For speakers in the front row, if the camera does not switch to frame MTower and continue speaking. Once the portrait is framed, they can
	With the set of the set	
	Overlapping area: The face has not moved significantly, but the angle switches frequently.	• To be resolved in the January 2025 GA version.
	During the meeting, stability issues such as brief fullscreen flashes and rapid switching occur.	• To be resolved in the January 2025 GA version.
	After a person moves and causes obstruction, issues such as repeated portraits and frequent switching occur.	• To be resolved in the January 2025 GA version.
Configuration Options	The video wall configuration on the S40 has a significant deviation (depth exceeds 6m).	 To be resolved in the January 2025 GA version. In the current version, configuring a video wall with a depth exceeding
	When connecting to the MTower, the IntelliFocus priority position feature does not function.	 To be resolved in the January 2025 GA version. In the current version, it is recommended not to use the IntelliFocus

4. Key Issues of Concern:

Туре	Description	
Hardware	Feedback on the use of the privacy cover (such as lift speed, lift noise, and lift stability, etc.)	

ermeasures e their portrait, they can first face the an then adjust the angle. ing 6m may result in significant errors.

priority position feature for now.

Feedback Collection



Deployment	Ease of Device Deployment and Installation	
Optimal Portrait	Feedback on the frequency of angle switching for optimal portrait (such as switching speed, switching	
	method, switching interval, etc.)	
	Feedback on the strategy to ensure heads are level and appropriately enlarge the portrait ratio.	
Image Quality	Feedback on the image quality effect of the main position.	
	Feedback on the imaging quality of the secondary camera (within a direct distance of 2m from the MTower).	
	Feedback on skin tone and white balance effects.	
Audio Quality	Feedback on the mixed audio pickup effect (such as speaking from different positions, speaking	
	simultaneously, etc.).	

