



# Motorized Paperless Dual-screen Interactive Monitor Lift with Microphone

Embedded software: paperless conference terminal client software V2.0

## TS-FE215MT3



### Description:

The paperless lift adopts smart control technology, smart terminals and a LCD touch screen terminal, integrating HD video, unified communication, smart multi-screen interactive sharing, smart conference central control, audiovisual collection and sound system, bringing a smart conference experience.

### Feature:

- \* Adopt an integrated lifting design of the ultra-thin HD touch screen and the microphone, no exposed connection wires, no connection backplane, and no exposed screws.
- \* Adopt a dual-screen design, 21.5-inch HD LCD front screen, 11.6-inch vice screen, and paperless conference terminal, display the required pictures and participant names, perfectly fulfill the powerful interactive paperless conference function.
- \* The integrated lifting design with microphone supports automatic straightening function; when the microphone pole is bent, it will be automatically straightened when being lowered to avoid damage to the microphone pole.
- \* The screen and the microphone have a separate lifting system, and the two can be lifted and lowered separately as needed.
- \* Adopt an all-aluminum structure, high-quality aluminum material plus CNC fine carving processing; the screen frame and cabinet are made of aluminum alloy, making the device as a whole delicate and beautiful.
- \* Adopt anodized treatment, making the surface brighter.
- \* The device panel is only 3mm thick and 77mm wide, taking up little space. Its weight is only one third of the conventional lifts, reducing transportation costs and putting less pressure on the meeting table.
- \* The transmission structure is specially treated to minimize noise; the transmission mode consists of high-quality pull-resistant belts, high-precision slider guides and linear bearings, while using AC geared motors as driving power; the central control protocol has strong compatibility and is compatible with all controllers. After the device is lifted, the screen will automatically power on; after being lowered, the screen will automatically power off.
- \* The 21.5-inch ultra-thin LCD touch screen, a resolution of 1920\*1080P, and an 11.6-inch vice screen, clear and bright display effect; the adjustable backlight design can prevent eyestrain caused by too bright or too dark screen.
- \* Support HDMI and VGA signal input. When only one signal is input, the screen will automatically identify the signal; when two signals are input simultaneously, they can be manually switched through the panel buttons; when no signal input, the screen will automatically enter the power saving mode.
- \* Support central control of the device through the central control software, and also through the remote or the host computer, support lifting or lowering all the devices in the room with one key.

### Microphone specification:

Microphone type	Cardioid pattern electret microphone
Frequency response	80Hz-16KHz
Input impedance	680Ω
Sensitivity	-41±1.5dB (0dB=1V/Pa,at 1KHz)
Maxi SPL	120dB
SNR	>80dB
THD	<0.1%
Power consumption	3W

### Vice screen specification:

Screen size	11.6 inches
Touch control	Do not support
Resolution	1366(RGB)×768 [WXGA]
Contrast	800:1
Brightness	250 (Typ.)
Working environment	Working temperature: 0~50°C Storage temperature: -20~60°C
Working frequency	60Hz
Viewing angle	89/89/89/89 (Typ.) (CR≥10)
Screen type	IPS
Voltage	3.3V
Display size	256.125 × 144mm (H×V)
Signal system	eDP (1 Lane), terminal, 30 pins

### Specifications:

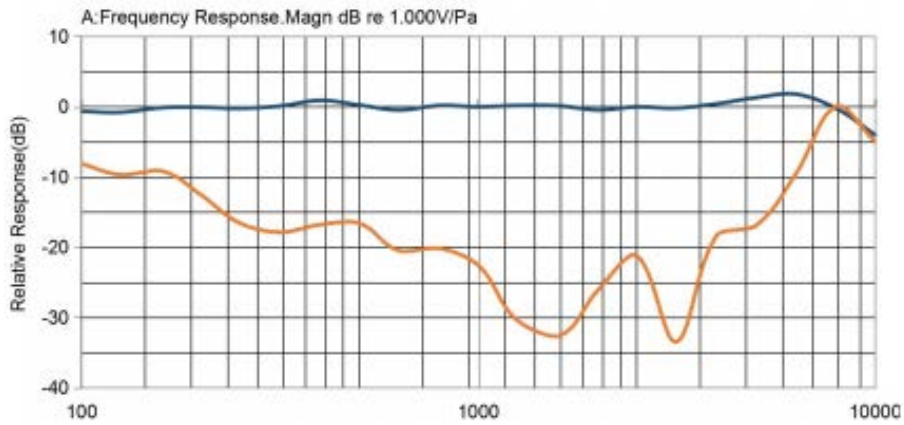
Model	TS-FE215MT3
Touch screen	Support
Lifting time	36s
Elevation angle	0-30°, fully ergonomic, without blocking sight and face
Product size	700*77*720mm
Panel size	700*77*3mm
Cabinet size	685*66*717mm
Desktop opening size	687*68 (recommended to open hole according to the actual product )
Panel sinking size	701*78*3 (L*W*T) (recommended to open hole according to the actual product)
Environmental conditions	-20°C~50°C, relative humidity≤70%
Screen size	21.5"
Screen ratio	16:9
Screen resolution	1920*1080
Video interface	1 VGA, 1 HDMI
Control interface	1 set of 232/485 input and output interfaces; control the screen lifting and lowering, support hand-in-hand connection; 1 USB port for power on/off, 1 USB port for data transmission
Microphone interface	2 sets of six-pin aviation ports, realize the hand-in-hand connection of multiple units
Microphone pole	409mm
Backlight type	WLED, 15K hours, with LED driver
Contrast	1000:1 (Typ.) (Transmission)
Brightness	250 (Min.)
Viewing angle	85/85/80/80 (Typ.) (CR≥10)
Signal system	LVDS
Total weight	Net weight 19.5KG; Gross weight 22.4KG



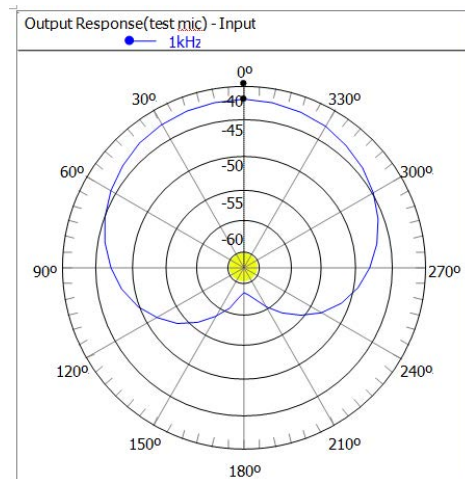
## TS-FE215MT3

### Φ9.7 microphone core graphics coordinates

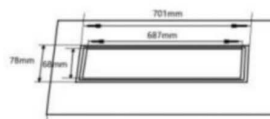
Frequency response curve



### Microphone Cardioid Pattern



### Opening size drawing



1. It is recommended to open hole according to the actual product:

a. Desktop opening size: 687\*68mm (2mm larger than the actual product)

b. Panel sinking size: 701\*78\*3mm(L\*W\*T) (1mm larger than the actual product)

2. It is installed on the desk:

Interval between lifts: 400mm;

Distance from the edge of the desk: 350mm;

The distance can be adjusted according to the actual needs.



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