86" Smart Interactive Display

MW3586-U-CA

Features

- 4K UHD anti-glare display delivers images with extreme detail.

- Ultra-narrow bezel design for perfect aesthetics.

- Dual Wi-Fi modules with both Wi-Fi and hotspot support.

- High-precision infrared touch technology allows up to 32-point touch, realizing smooth co-authoring.

- Multiple utility buttons on the front such as power, volume control, settings, etc.

- A variety of quick tools, such as annotation, screenshot, etc., with a floating window, improving usability and interaction efficiency.

- Wireless screen mirroring from various operating systems such as Android, iOS, and Windows to the display with one touch.

- Fast file transfer allows users to quickly transfer files from a mobile phone to the display via a QR code.

- OTA remote upgrade. The system can be upgraded online without backing up data.

- Split-screen writing. The whiteboard allows independent writing on two split screens at the same time.

- A variety of front interfaces allow users to easily and quickly plug/unplug USB drives and other tools.

- OCR recognition. The whiteboard can automatically recognize text and graphics.

Specifications

Panel	Description
Backlight	DLED backlight
Panel Size	86"
Resolution	3840 x 2160
Brightness (cd/m²)	350
Contrast Ratio	1200 : 1
Response Time (ms)	8
Viewing Angle (H/V)	178°/178°
Color Support	1.07 billion colors
Refresh rate（Hz）	60
Color gamut	72%
Haze Value	25%
Display Size（mm）	1895.04 x 1065.96
Surface Hardness	9H (7 on the Mohs scale)
Pixel Pitch (H x V) (mm)	0.4935 x 0.4935
Lifespan	50000H
Touch	Description
Touch Control	Contactless IR sensor, supports 32-point touch，20-point write
Touch Precision (mm)	±1
Recognizable Object	5 points, 3mm
Glass	4mm tempered glass, level 7 on Mohs hardness scale, anti-glare
Touch Response Time (ms)	≤5
Touchscreen Input	Opaque objects (e.g. fingers, pens)
Touch technology	Infrared touch
System	Description
CPU	Amlogic T982 4 x A55
CPU Frequency	1.9 GHz
RAM/ROM	DDR4 : 4GB eMMC : 32GB
System Compatibility	Android 13.0

Interface	Description
Video Input	3 x HDMI IN (4K), 1 x VGA IN, 1 x AV IN, 1 x YPbPr IN, 1 x DP IN
Video Output	1 x AV OUT, 1 x HDMI OUT (4K)
Audio Input	1 x MIC_IN
Audio Output	1 x EARPHONE, 1 x coaxial audio output interface (COAX)
Other Interfaces	1 x RS232, 3 x front USB 3.0, 1 x on-board USB 2.0, 1 x on-board USB 3.0, 2 x TOUCH USB, 1 x Type-C, 1 x TF CARD
Network	1 x LAN OUT, 1 x LAN IN
Audio	**Description**
Speaker	Left channel : 1 x treble (5 W) + 1 x bass (15 W) Right channel : 1 x treble (5 W) + 1 x bass (15 W)
Wi-Fi	**Description**
Wi-Fi Configuration	Wi-Fi 5 + Wi-Fi 6, supports 5G/2.4G
Wi-Fi Performance	30m^2 coverage, 20m transmission distance in open space
Bluetooth	**Description**
Bluetooth Version	5.2
Bluetooth Performance	10m transmission distance in open space
OSD	**Description**
Multi-Language	23 (Simplified Chinese, Traditional Chinese, Japanese, German, English, Spanish, French, Italian, Portuguese, Russian, Korean, Vietnamese, Ukrainian, Hungarian, Polish, Thai, Arabic, Kazakh, Bulgarian, Galician, Catalan, Uzbek, Indonesian)
VESA	**Description**
Wall Mount Hole (mm)	800 x 400
Wall Mount Screw	4-M8 screw hole
Camera	**Description**
Camera Resolution	Windows: Pixel 13MP for Photos & 13 MP for Video Android: Pixel 13MP for Photos & 1080P for Video
FOV	118°/94°/75°
Microphone	**Description**
Microphone	8 array microphone
Pickup Distance (m)	8 m
General	**Description**

| Power Supply	AC 100 to 240 V, 50/60 Hz
Overall Power Consumption (W)	342.2 (without OPS)
Standby Power Consumption (W)	＜0.5
Product Dimensions (W x H x D) (mm)	1967 x 1188 x 89
Package Dimensions (W x H x D) (mm)	2102 x 1313 x 242
Operating Temperature	0°C to 50°C
Weight (Kg)	Net weight: 82.0 Gross weight: 85.0
Operating Humidity	10% to 90% RH, non-condensing
Storage Temperature	-20°C to 60°C
Storage Humidity	0% to 95% RH, non-condensing
Accessories Included	1 x power cable, 2 x touch pen, 1 x quick guide, 1 x IR remote controller, 1 x wall mounting bracket
Certification	Description
Certification	Energy Star, CE LVD, CB, ERP, CE EMC, FCC, RCM, EAC

Dimensions
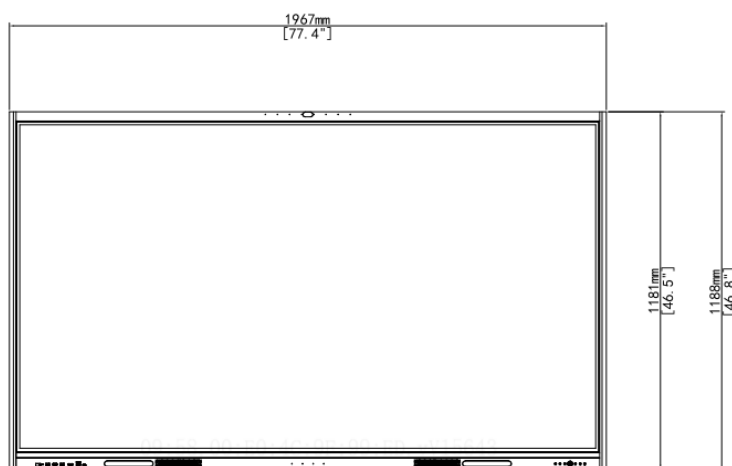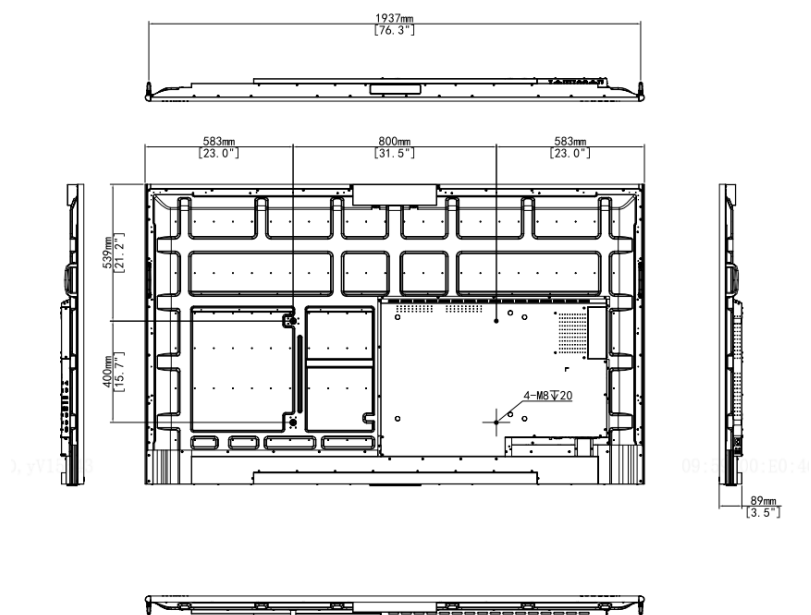
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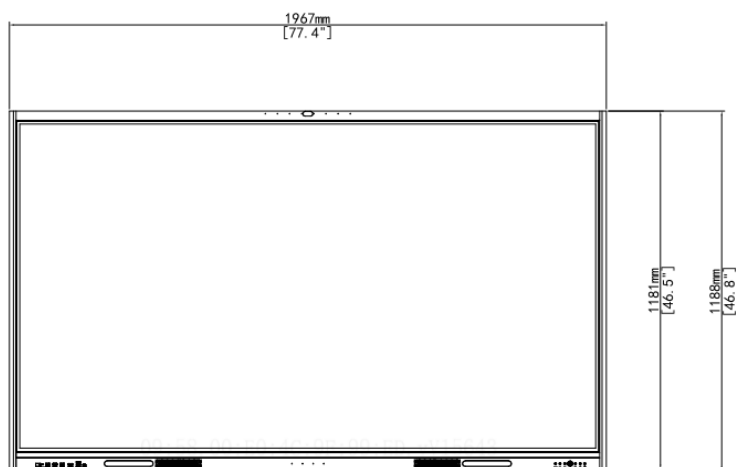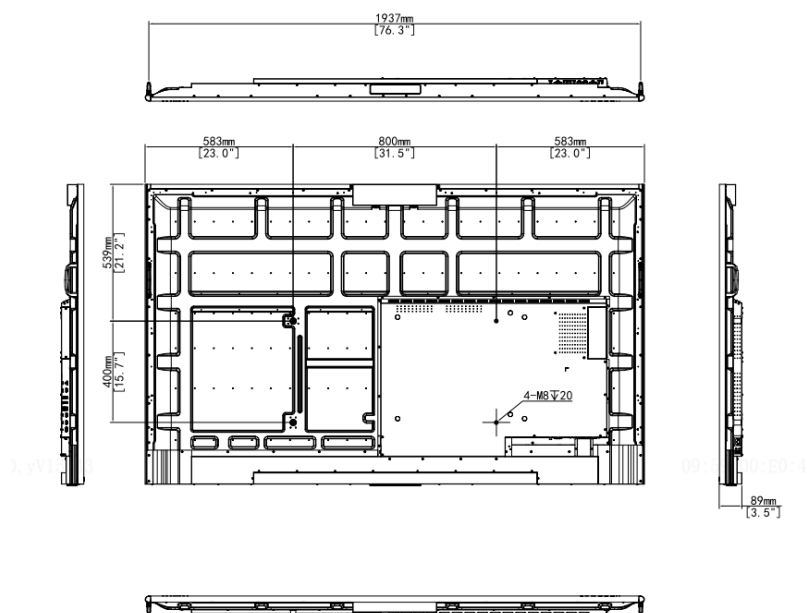
Ordering Information for Optional Accessories

Model	Remarks
MW3586-U-CA	86" Smart Interactive Display
HB-7199-TP	Wireless Screen Sharing Dongle
HB-4365	65" to 86" smart interactive display wall mount bracket
HB-T-FMC	65 to 86-Inch Smart Interactive Display Mobile Stand
HB-7099-M	Pluggable OPS PC module with i5 processor (Windows 10, not activated)
HB-7099-S	Pluggable OPS PC module with i7 processor (Windows 10, not activated)
LIS-WIN10-V	OS-Windows 10-1-to-1 License-IoT Enterprise Value (with i5 processor OPS module)
LIS-WIN10-H	OS-Windows 10-1-to-1 License-IoT Enterprise High End (with i7 processor OPS module)

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MW3586-U-CA	86" Smart Interactive Display

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