Product Specifications

Customer	
Model	**NTMD170 V500**





Revision History			
Version	**Revision Item**	**Previous Description**	**Updated Description**
v2611.1	**Initial release**	--	--

Key Features

★ Certified to CE/FCC/UL 60601 medical standards
★ 17″ LCD panel 1280x1024
★ Operating Temperature Range -30~85°C
★ Narrow-bezel true-flat PCAP touch screen
★ Anti-glare UV-resistant tempered glass (7H hardness)
★ 10-point multi-touch , supports Nextech stylus
★ Aluminum housing with multiple mounting options
★ Made in Taiwan, 3 Years Warranty, Designed for Harsh Environments
★ Power input options : 12VDC / 9–36VDC
★ Optional remote control via RS-232 or DDC/CI
★ Optional high brightness up to 1500nits for outdoor applications
★ Optional Ambient light sensor with automatic brightness adjustment
★ Optional Privacy filter or antimicrobial surface treatment





UL 60601 PSE BSMI CE 60601 FCC Part18

Display Specifications

Model Name	**NTMD170XXSDX-XXXXXX-600***	Display Mode	**Normally Black**
Screen Diagonal	**432mm (19.0 inch)**	Response Time	**30 msec.**
Active Area	**337.9x270.3**	Backlight	**white LED**
Resolution	**1280x1024 (SXGA)**	Viewing Angle (L/R, U/D)	**80°/80°/60°/80°**
Contrast Ratio	**800:1**	Backlight Lifetime	**>50,000 Hours**
Aspect Ratio	**4:3**	Operating Temp.	**-30~85℃**
Colors	**16.7M**	Storage Temp.	**-30~85℃**
Pixel Pitch	**264x264 um**		

* X = A-Z, 0-9 (Varies by options)

Brightness Options

Configuration	Brightness	Application	Ordering Information
Standard	**350nits**	**General (Indoor)**	**NTMD170NXSDX-XXXXXX-500**
Optional	1000nits	Outdoor / Semi-outdoor	NTMD170AXSDX-XXXXXF-500
Optional	1500nits	Outdoor	NTMD170FX3DX-XXXXXF-500

Touch Options

Configuration	Specification	Ordering Information
Standard	**Projected Capacitive Touch**	**NTMD170XPSDX-XXXXXX-500**
Optional	No touch	NTMD170X0SDX-XXXX0X-500

PCAP Touch Specifications

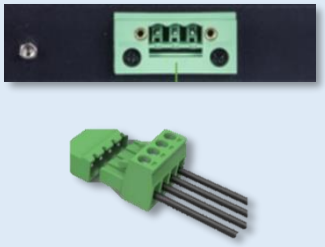
Touch Points	10 points	Cover Lens Thickness	2.0±0.2mm
Transparency	≧87%	Cover Lens Hardness	7H
Accuracy	99.00%	IK Ratings	IK07

Other Configuration Options

Power Input		
Configuration	**Specification**	**Ordering Information**
Standard	**12VDC locking jack (Φ2.1mm)**	**NTMD170XXSD2-XXXXXX-500**
Optional	9-36VDC, Phoenix terminal block	NTMD170XXSDP-XXXXXX-500



Lockable DC Power Jack



Phoenix Terminal Block

Surface Treatment		
Configuration	**Specification**	**Ordering Information**
Standard	**Anti-Glare, Anti-UV Coating**	**NTMD170XXSDX-GGXXXX-500**
Optional	Antibacterial (AB Film)	NTMD170XXSDX-ABXXXX-500
Optional	Privacy filter (AS Film)	NTMD170XXSDX-SFXXXX-500

Housing Material		
Configuration	**Specification**	**Ordering Information**
Standard	**Aluminum**	**NTMD170XXSDX-XXAXXX-500**
Optional	Stainless Steel	NTMD170XXSDX-XXLXXX-500
Optional	SECC	NTMD170XXSDX-XXSXXX-500

Housing Color		
Configuration	**Specification**	**Ordering Information**
Standard	**White**	**NTMD170XXSDX-XXXWXX-500**
Optional	Black	NTMD170XXSDX-XXXBXX-500
Optional	Silver	NTMD170XXSDX-XXXSXX-500
Optional	Custom Color	NTMD170XXSDX-XXXXXX-500 *

* X = A~Z, 0~9 (Varies by Color)

Touch Interface		
Configuration	**Specification**	**Ordering Information**
Standard	**USB**	**NTMD170XPSDX-XXXXUX-500**
Optional	No touch	NTMD170X0SDX-XXXX0X-500

Cooling System		
Configuration	**Specification**	**Ordering Information**
Standard	**Fanless**	**NTMD170XXSDX-XXXXX0-500**
Optional	7-blade, 4000 RPM, 28.3dB	NTMD170XXSDX-XXXXXF-500

Supported OS

Windows	**Win7, Win8, Win10, Win11 ↑**
Linux	**Kernel 2.6.24 ↑**
Android	**3.0 ↑**
Mac	**10.5.x ↑ (Intel CPU)**

Included Cables and Power Accessories

Item	Specification	Quantity
HDMI Cable	**Male-to-male, 1.8 meter**	**1**
AC-DC Adapter	**12V medical adapter, CE/FCC/CCC/UL/RoHS/PSE/JET certified**	**1**
Power Cord	*** (varies by region)**	**1**
USB Cable	**Type A, Male-to-male, 1.8 Meter *(touch models only)**	**1**

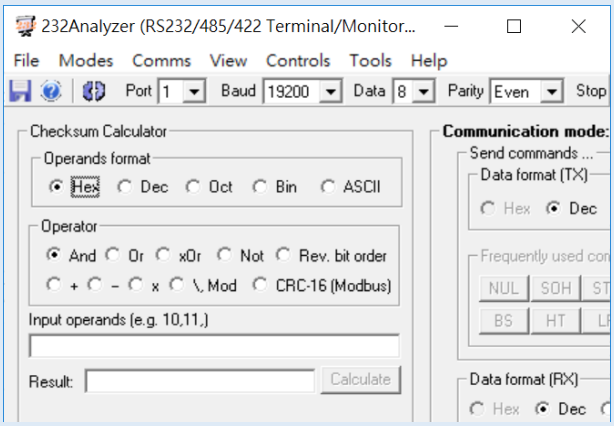
Optional Features & Accessories

Option	Item	Description
Optional	Remote software control	Remote software control via RS232 interface
Optional	Ambient light sensor	Automatic brightness control
Optional	Stylus pen	

Light sensor (Optional)



Remote Software (Optional)



Nextech Stylus (Optional)

Tip	Passive conductive metal mesh
Tip Diameter	6mm



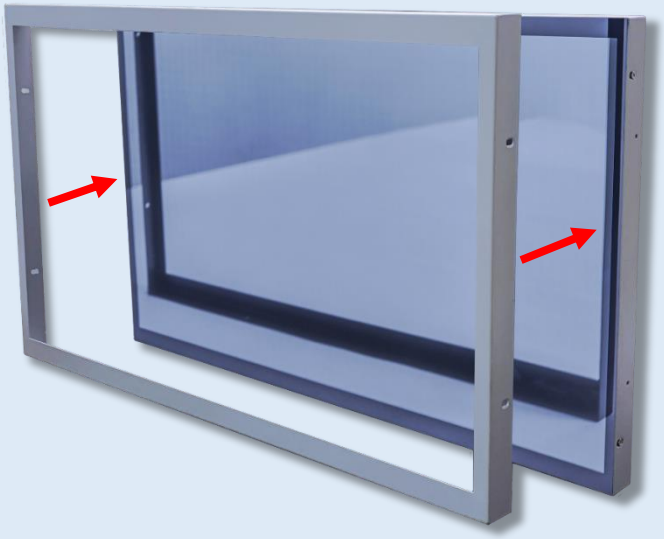
Optional Mounting Accessories

	Accessories	Description
Optional	Desktop stand	For desktop use
Optional	Front protection frame	Protects panel and enables Front IP65 protection
Optional	Panel mount kit	For front mounting into kiosks, cabinets, or equipment panels.
Optional	Open-frame brackets	For rear mounting installation inside kiosks, cabinets, or equipment panels.
Optional	Wall Mount Bracket	For wall mounting

Desktop Stand (Optional)



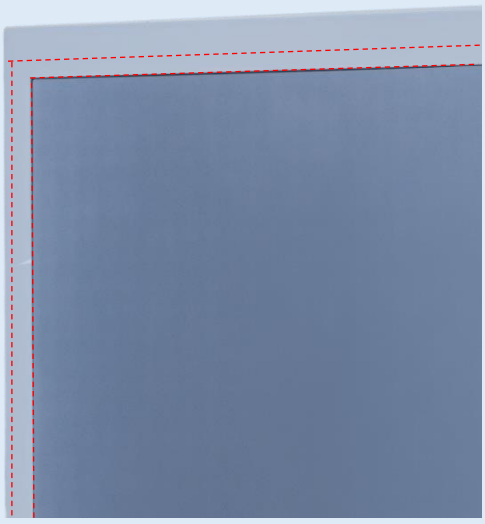
Front Protection Frame (Optional)



The standard **NTMD170** features a true-flat design with only 1mm metal bezel.
To enhance protection for the corners of the touch screen, the **Front Protection Frame** can be added.

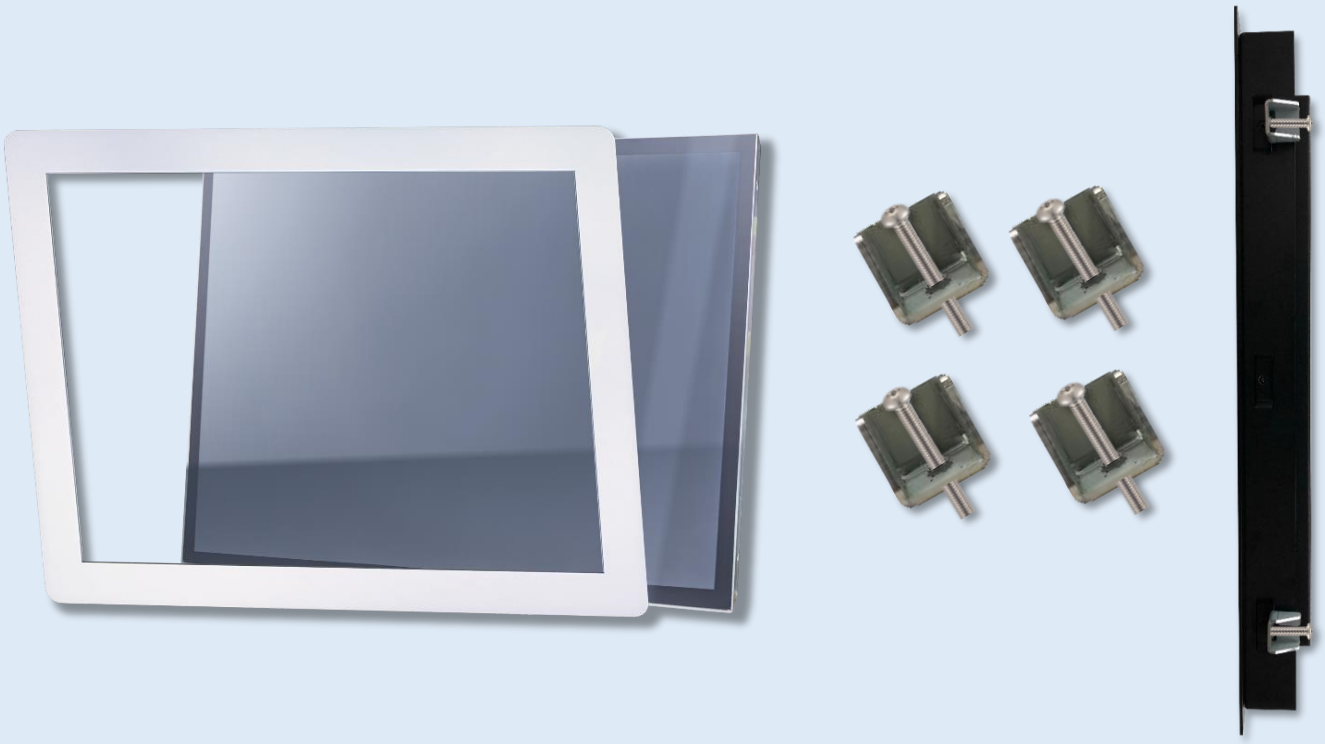


A waterproof gasket can be added between the **Front Protection Frame** and the **NTMD170** to comply with IP65 front protection requirements.

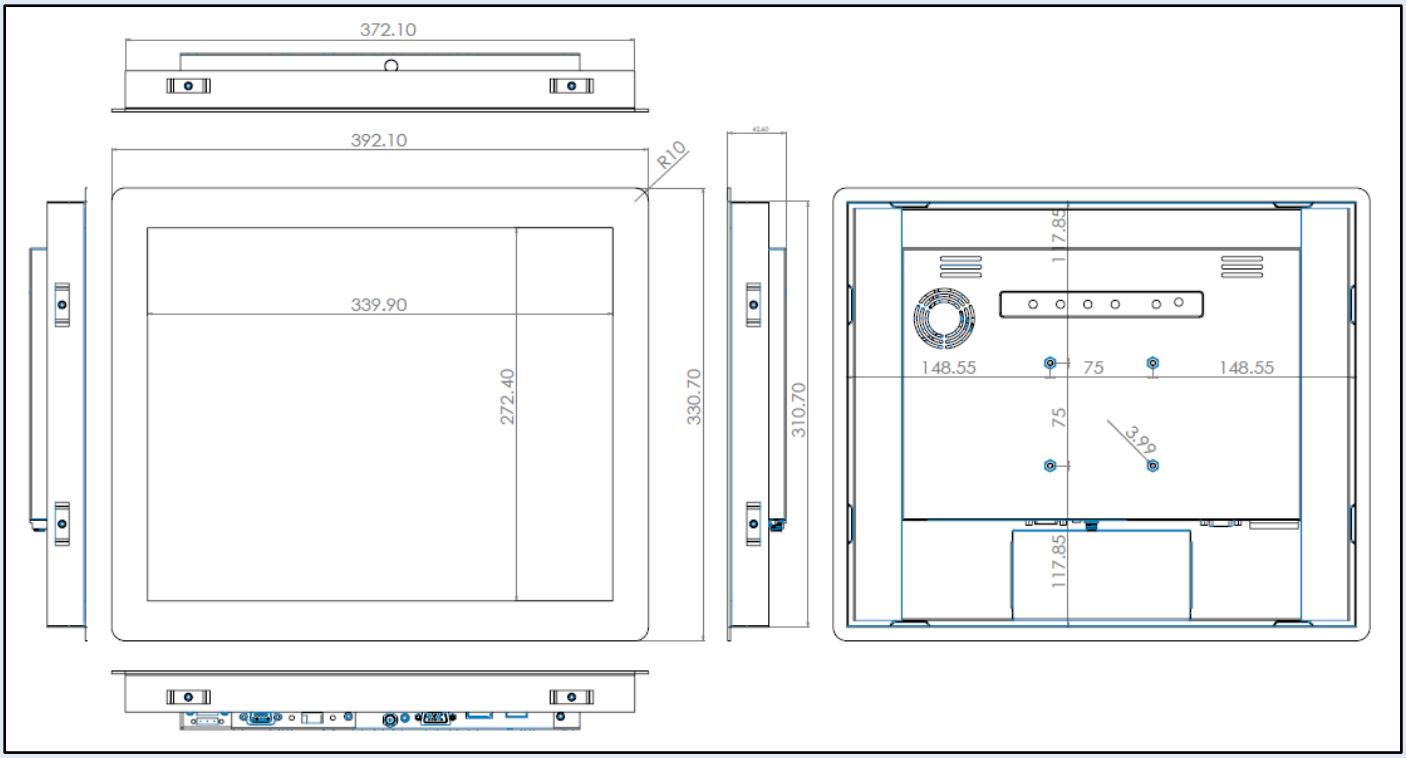


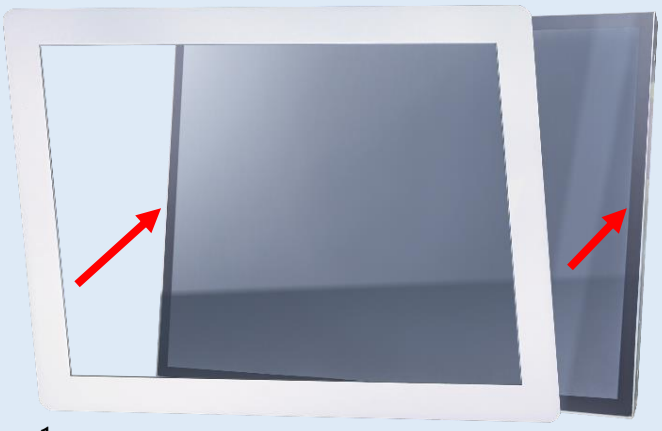


Panel Mount Kits (Option)



Panel Mount Installation Dimensions





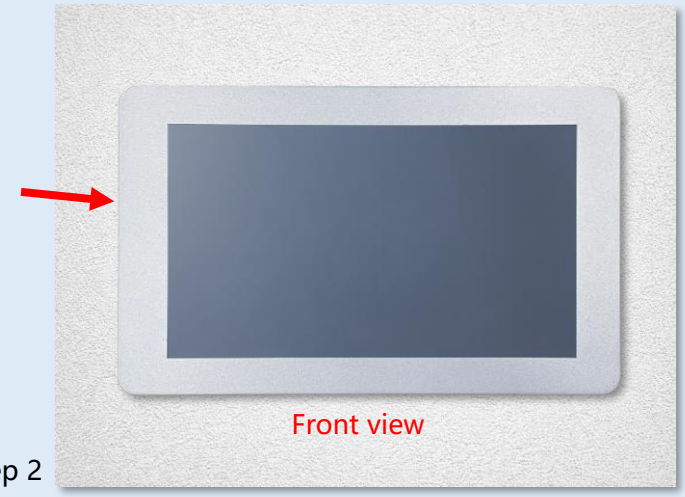


Step 1

Assemble the front module with the display unit.

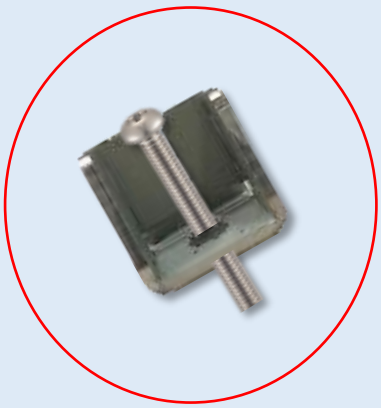
(This step is pre-assembled at Nextech's factory.)

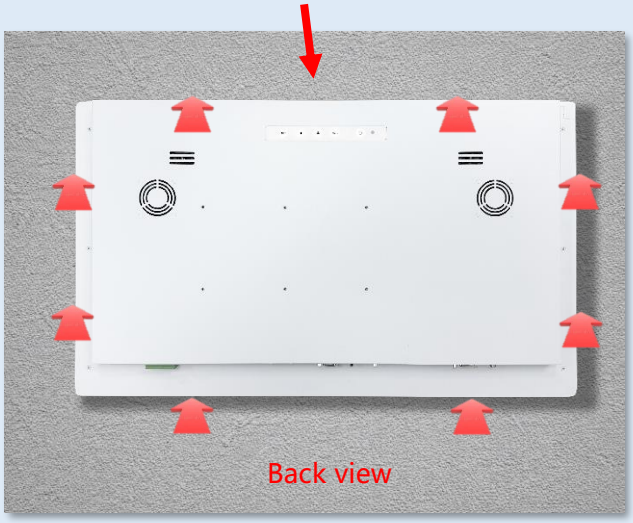




Step 2

Insert the display into the cut-out from the front.



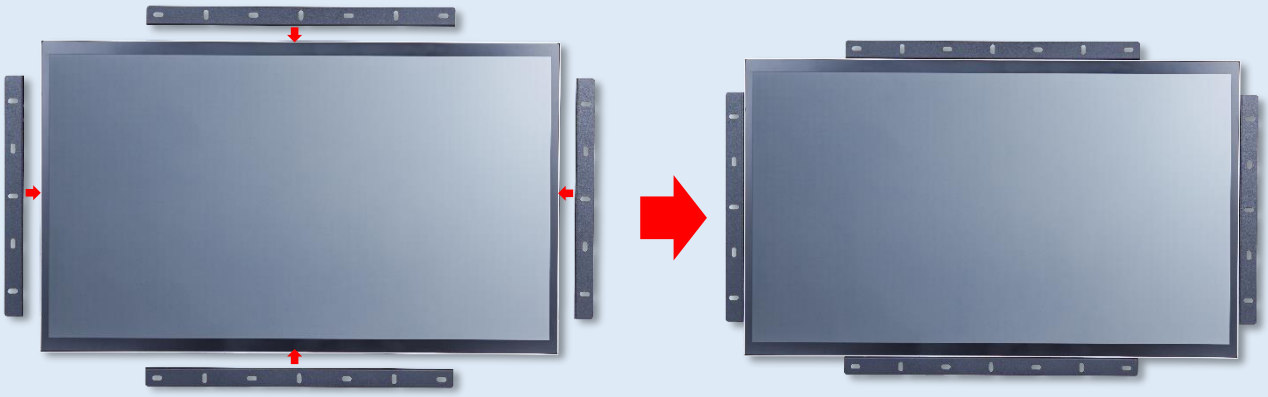


Step 3

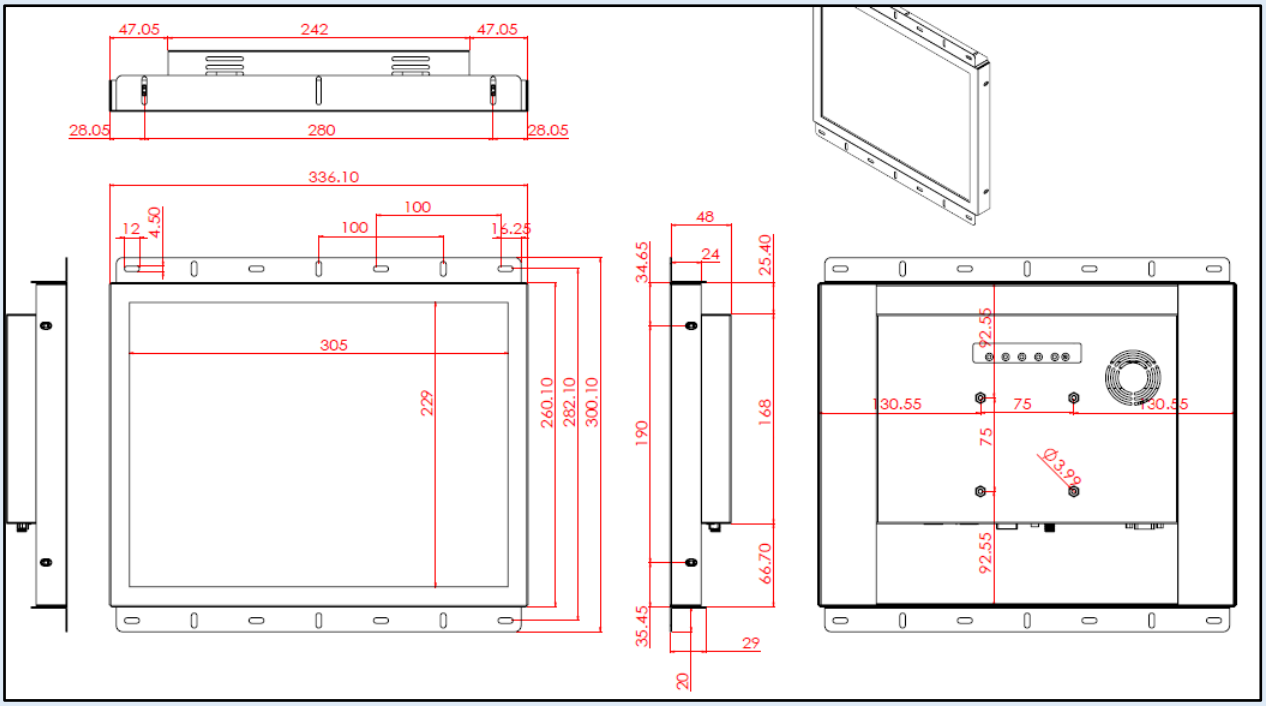
Install the mounting clips from the rear side and secure them with screws.

Open-frame Brackets (Optional)



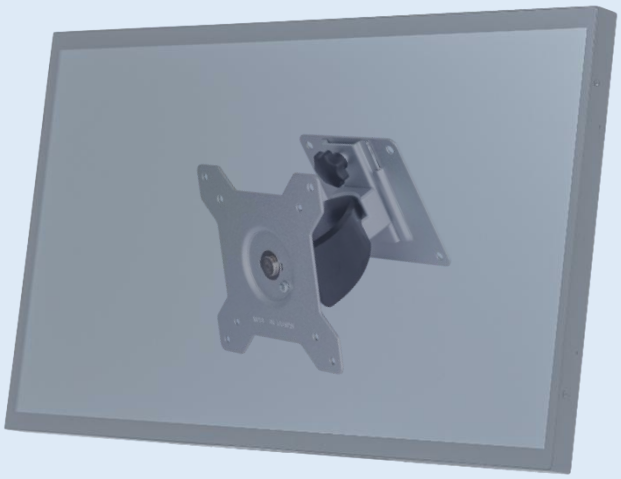


Open-frame Bracket Installation Dimensions

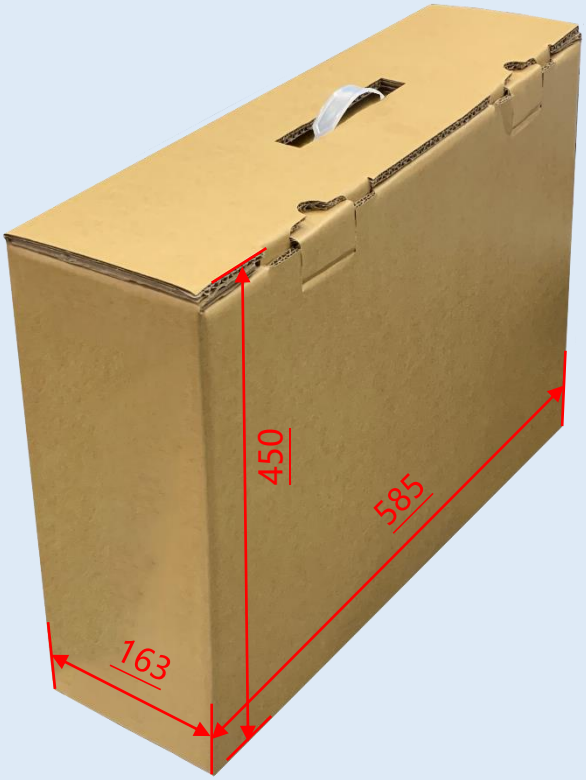


Wall Mount Bracket (Optional)



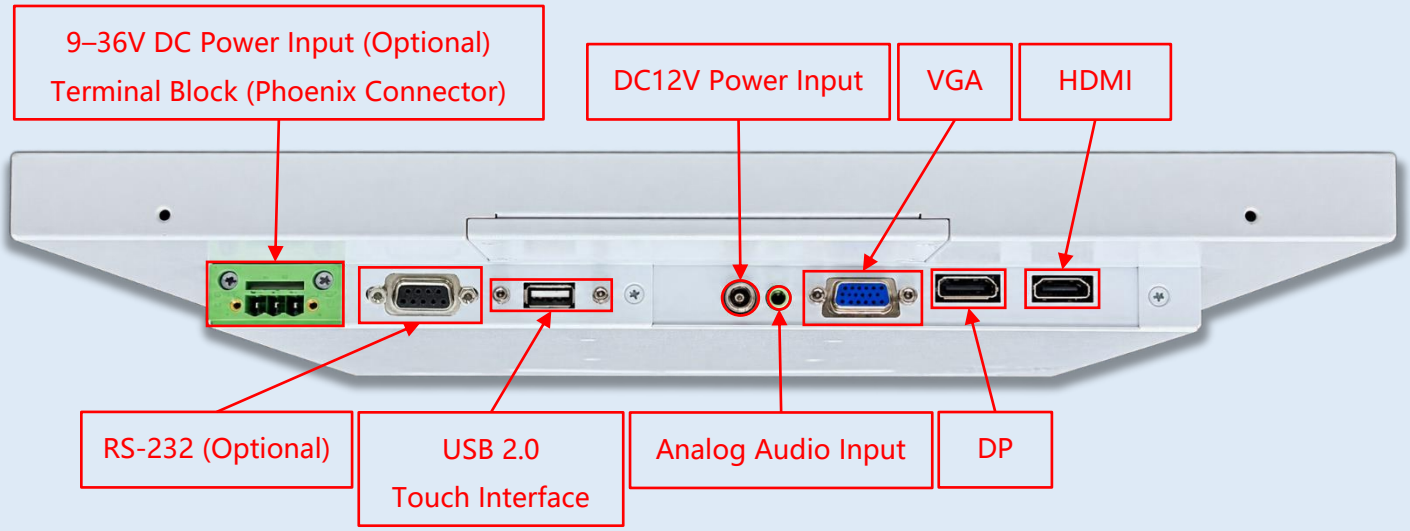


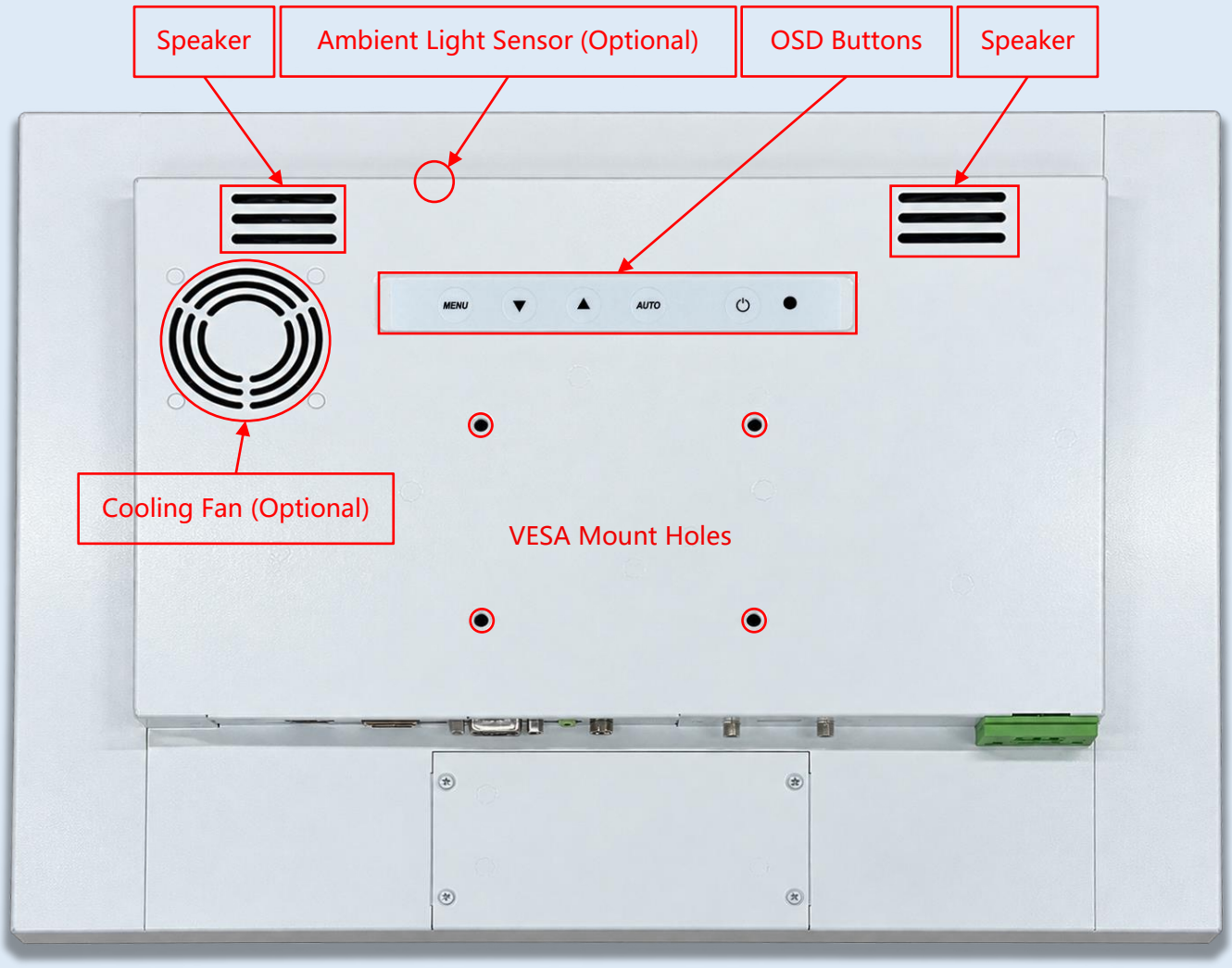
Packaging Information



Carton Dimensions	**585x163x450 mm**
Net Weight	**≦2.8 kg**
Gross Weight	**≦4.7 kg**
Units per Pallet	**36 units**
Pallet Size	**120x100x147 cm**

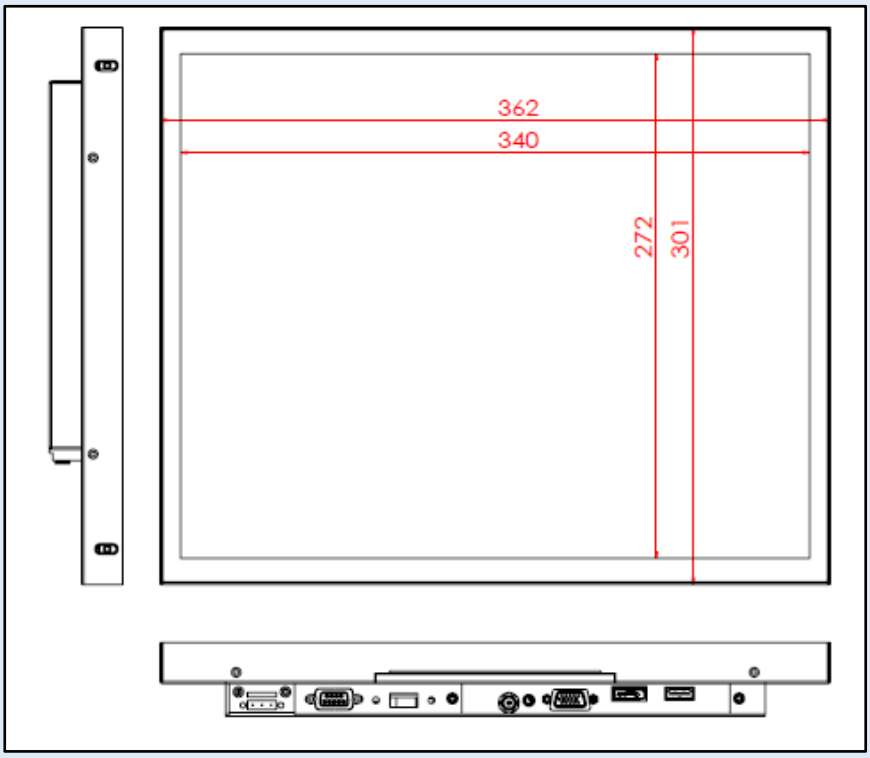
Input /Output System

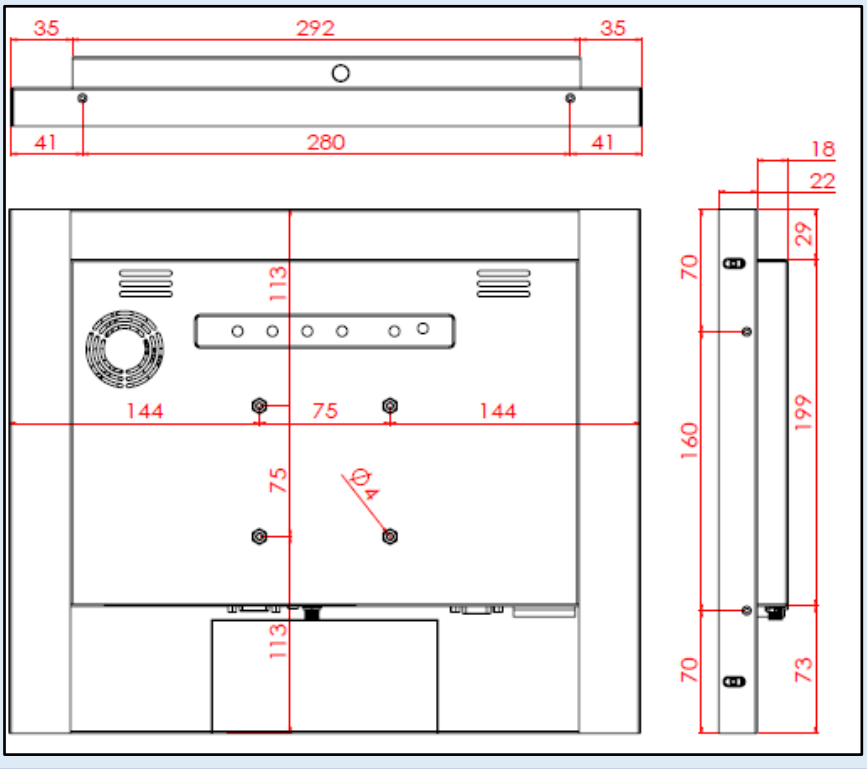




Mechanical Specifications

Dimensions (Max.)	**362x301x40(±2)mm**	Net Weight	**≦2.8 kg**
VESA Mount	**75x75 mm**	Gross Weight	**≦4.7 kg**





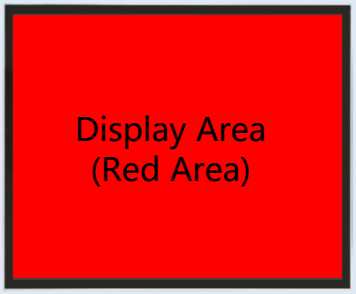
Cosmetic Inspection Criteria

Display Area Defect Criteria			
Defect Description	**Defect Criteria**	**Acceptance**	**Remarks**
Dot Defects (dark dot, particles, bubbles, pits, dust, and foreign matter)	D≦0.2mm	Ignored	D=Diameter
	0.2 < D≦0.7mm	N≦5	N=Quantity
	0.7 < D≦1mm	N≦3	
	D > 1mm	N≦0	
Linear Defect (scratches, fluff, particles)	W≦0.15mm	Ignored	W=Width
	0.15 < W≦0.5mm, L≦15mm	N≦2	L=Length
	W > 0.5mm or L > 15mm	NG	

* Visual inspection condition: 60 cm viewing distance, 90° viewing angle (front/side/back).

Front Appearance Defect Criteria (Including Coating)			
Defect Description	**Defect Criteria**	**Acceptance**	**Remarks**
Dot Defects (dark dot, particles, bubbles, pits, dust, and foreign matter)	D≦0.7mm	Ignored	D=Diameter
	0.7 < D≦1.5mm	N≦3	N=Quantity
	D > 1.5mm	N≦0	
Linear Defect (scratches, fluff, particles)	W≦0.2mm, L≦15mm	Ignored	W=Width, L=Length
	0.2 < W≦0.7mm, L≦15mm	N≦1	
	W > 0.7mm or L > 15mm	NG	

Side / Back Appearance Defect Criteria (Including Coating)			
Defect Description	**Defect Criteria**	**Acceptance**	**Remarks**
Dot Defects (dark dot, particles, bubbles, pits, dust, and foreign matter)	D≦1.5mm	Ignored	D=Diameter
	1.5 < D≦3mm	N≦8	N=Quantity
	D > 3mm	N≦2	
Linear Defect (including scratches, fluff, particles)	W≦0.8mm, L≦15mm	Ignored	W=Width, L=Length
	0.8 < W≦1.5mm, L≦15mm	N≦5	
	W > 1.5mm or L > 15mm	NG	




Front Appearance (Red Area)


Back Appearance