

Product Specifications

| | |
|-----------------|-----------------------|
| Customer | |
| Model | NTSM215-6 V500 |



| Records of Revision | | | |
|---------------------|---------------------------|-----------------|-----------------|
| Vision | Modifying | Old Description | New Description |
| v2407.1 | Preliminary specification | | |
| | | | |
| | | | |
| | | | |
| | | | |
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| | | | |
| | | | |

Features

- ★ 21.5 inch Industrial Grade Panel, 1920x1080 (FHD) Resolution
- ★ 1500nits High Brightness
- ★ AHVA Wide Viewing Angle Technology, 178°/178°
- ★ Metal Cabinet with Diverse Combine Options
- ★ Made in Taiwan, 3 Years Warranty, Designed for Harsh Environments
- ★ Resistive Touch Options
- ★ Optional Video Input (VGA/DVI/HDMI/DP)
- ★ Optional 100~240VAC and 9~36VDC Power Input
- ★ Optional Software Remote Control by RS232 or DDC/CI
- ★ Optional Auto Dimming Function (with Light Sensor)
- ★ Optional AG Coating/Antibacterial/Privacy Filter Surface Treatment



PSE



BSMI



RoHS



CE



ISO9001



FCC



Desktop Stand



Wall Mounting



Open-frame Brackets



Panel Mount

Display Specifications

| | | | |
|-----------------|--|--------------------------|--------------------------|
| Model Name | NTSM215H <u>X6XX-XXXXX</u> F-500* | Display Mode | Normally Black |
| Screen Diagonal | 21.5 inch | Response Time | 14 msec. |
| Display Area | 476.6x268.1 mm | Backlight Unit | LED (white LED) |
| Resolution | 1920x1080 (FHD) | Viewing Angle (L/R, U/D) | 178°/178° (CR=10) |
| Contrast Ratio | 1000:1 | Backlight Lifetime | >30,000 Hours |
| Display Ratio | 16:9 | Operating Temp. | -20~70°C |
| Support Color | 16.7M Colors | Storage Temp. | -30~80°C |
| Pixel Pitch | 0.24825x0.24825 mm | Brightness | 1500nits |

* X = A~Z, 0~9 (Depends on options)

Accessories

| Item | Description | Quantity |
|---------------|--|----------|
| HDMI Cable | Male to Male, 1.8 Meter | 1 |
| AC-DC Adapter | 12V with CE/FCC/CCC/UL/RoHS/PSE/JET Certification | 1 |
| Power Cord | *Country Specific | 1 |
| USB Cable | A type, Male to Male, 1.8 Meter *(only for touch monitor) | 1 |

Touch Options

| Touch Screen | | |
|-----------------|------------------------|--------------------------------|
| | Description | Model Name |
| Standard | Resistive Touch | NTSM215H56XX-XXXXBF-500 |
| Option | Non-Touch | NTSM215H06XX-XXXX0F-500 |

Resistive Touch

| | | | |
|----------------------|-----------------|-------------------|----------------|
| Touch Technology | Resistive Touch | Transparency | 80%±5% |
| Allowed Touch Points | 1 point | Surface Treatment | Anti-glare<15% |
| Interface | USB/RS232 | Hardness | ≥3H |
| Precision | 98.50% | | |

| Passive Stylus Pen (Option) | |
|-----------------------------|--|
| Technology | Passive High Sensitive Knitted Wire Mesh Fiber Tip |
| Size of tip | 6mm |
| Magnetic Attachment | Yes |



Magnetic Attachment

Supported OS

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

General Options

| Video Input | | |
|-----------------|--------------------|--|
| | Description | Model Name |
| Standard | VGA+HDMI+DP | NTSM215HX6<u>3</u>X-<u>XXXXXF</u>-500 |
| Option | VGA+DVI | NTSM215HX6 <u>4</u> 1- <u>XXXXXF</u> -500 |



VGA+HDMI+DP

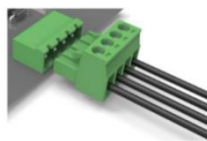


VGA+DVI

| Power Input | | |
|-----------------|---|--|
| | Description | Model Name |
| Standard | 12V, Lockable DC Jack Φ2.1mm | NTSM215HX6<u>3</u>2-<u>XXXXXF</u>-500 |
| Option 1 | 12VDC, DC Jack Φ 2.1mm | NTSM215HX6 <u>4</u> 1- <u>XXXXXF</u> -500 |
| Option 2 | 9~36VDC, Phoenix Terminal Block | NTSM215HX6 <u>3</u> P- <u>XXXXXF</u> -500 |
| Option 3 | 100~240VAC, C14 Female Socket | NTSM215HX6 <u>3</u> A- <u>XXXXXF</u> -500 |



Lockable DC Power Jack



Phoenix Terminal Block



C14 AC Socket

| Surface Treatment | | |
|-------------------|-------------------------|--|
| | Description | Model Name |
| Standard | (none) | NTSM215HX6XX-<u>00XXXXF</u>-500 |
| Option 1 | Anti-Glare Coating | NTSM215HX6XX- <u>GGXXXXF</u> -500 |
| Option 2 | Antibacterial (AB Film) | NTSM215HX6XX- <u>ABXXXXF</u> -500 |
| Option 3 | Anti-Spy (AS Film) | NTSM215HX6XX- <u>SFXXXXF</u> -500 |

General Options (Continued)

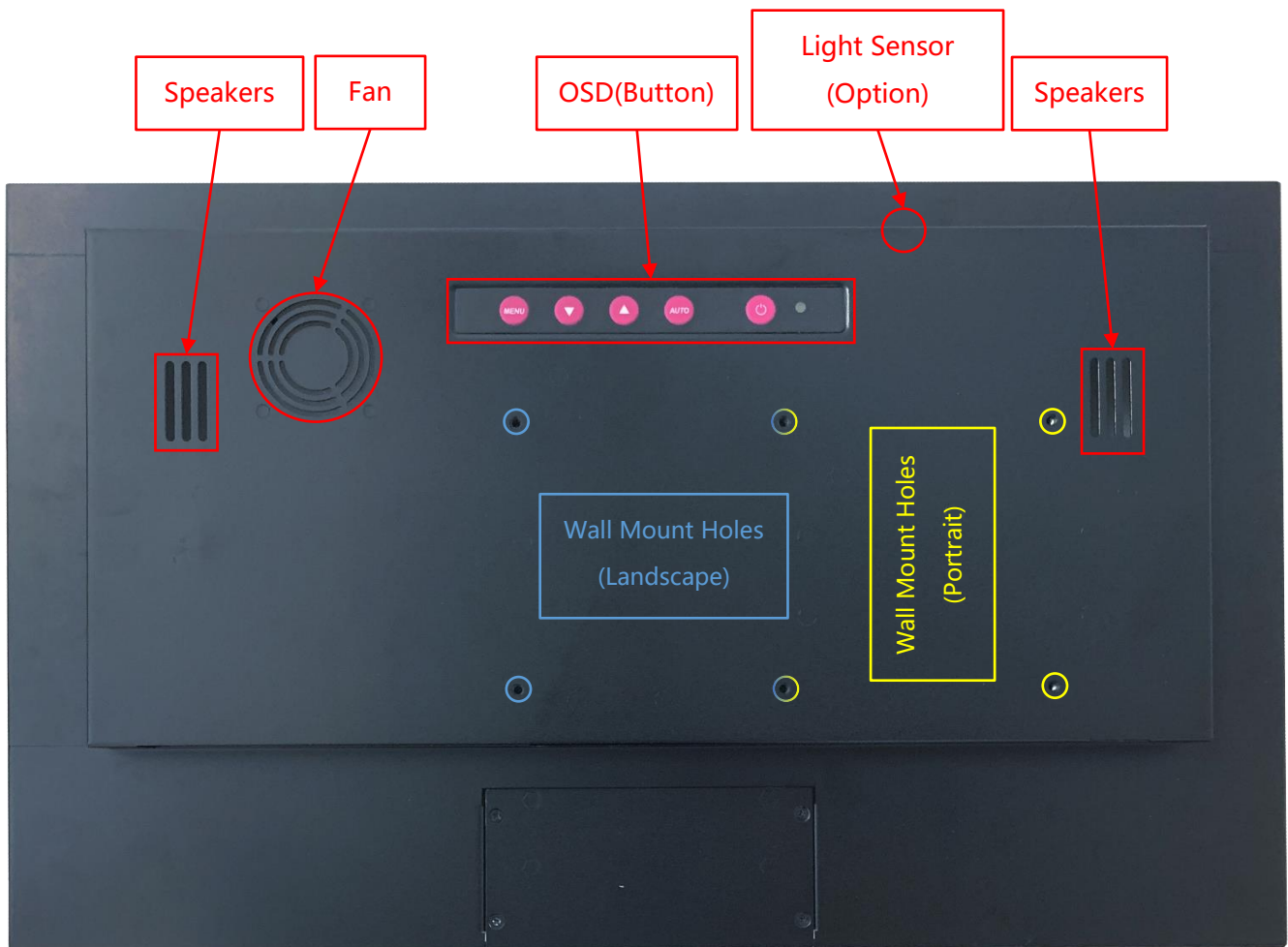
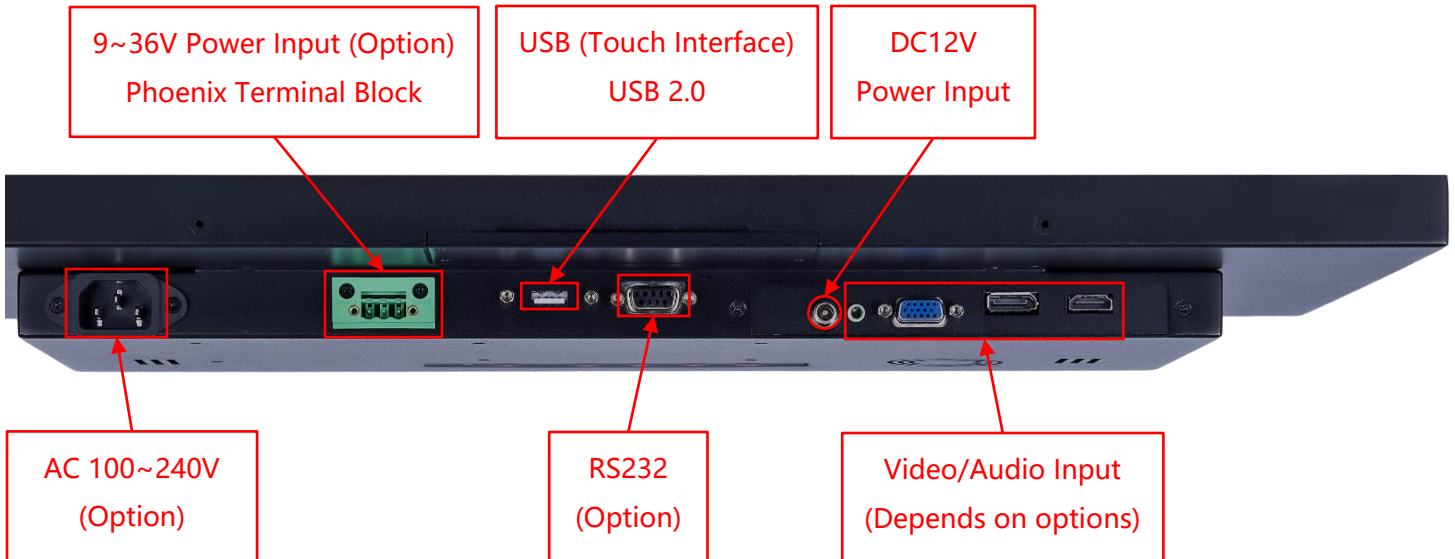
| Color of Cabinet | | |
|------------------|--------------|---------------------------------------|
| | Description | Model Name |
| Standard | Black | NTSM215HX6XX-XX<u>B</u>XXF-500 |
| Option 1 | White | NTSM215HX6XX-XX <u>W</u> XXF-500 |
| Option 2 | Silver | NTSM215HX6XX-XX <u>S</u> XXF-500 |
| Options | Other Colors | NTSM215HX6XX-XX <u>X</u> XXF-500 |

* X = A~Z, 0~9 (Depends on Color)

| Material of Cabinet | | |
|---------------------|-----------------|---------------------------------------|
| | Description | Model Name |
| Standard | SECC | NTSM215HX6XX-XXX<u>S</u>XF-500 |
| Option 1 | Stainless Steel | NTSM215HX6XX-XXX <u>L</u> XF-500 |
| Option 2 | Aluminum | NTSM215HX6XX-XXX <u>A</u> XF-500 |

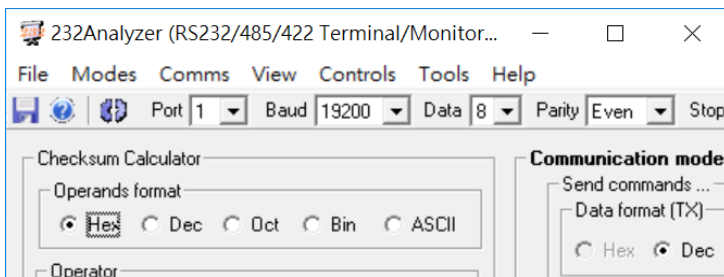
| Touch Interface | | |
|-----------------|------------------|---------------------------------------|
| | Description | Model Name |
| Standard | USB+RS232 | NTSM215H56XX-XXXX<u>B</u>F-500 |
| Option | Non-Touch | NTSM215H06XX-XXXX <u>0</u> F-500 |

Input /Output System

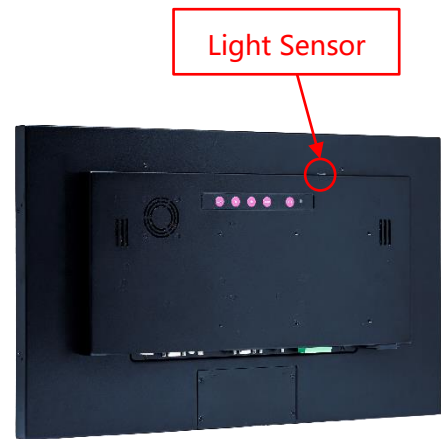


Other Options

| OSD Control | | |
|-----------------|-------------------------|--|
| | Item | Description |
| Standard | Button | Rear Physical Button |
| Option 1 | Software Remote Control | Software Remote Control by RS232/Serial Port |
| Option 2 | Auto Dimming | Auto Brightness Adjusting by Light Sensor |



* Software Remote Control



Nextech M Series 21.5" Industrial Touch Display

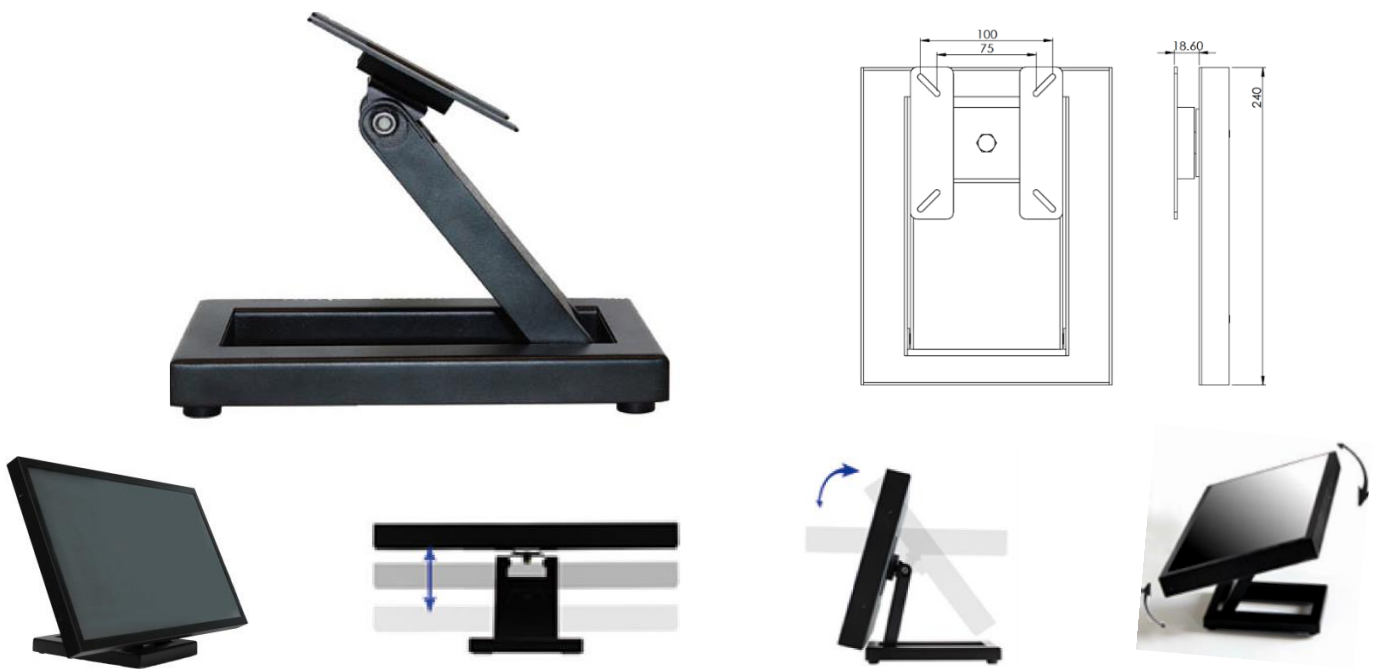
NTSM215-6 V500

Desktop Stand (Option)

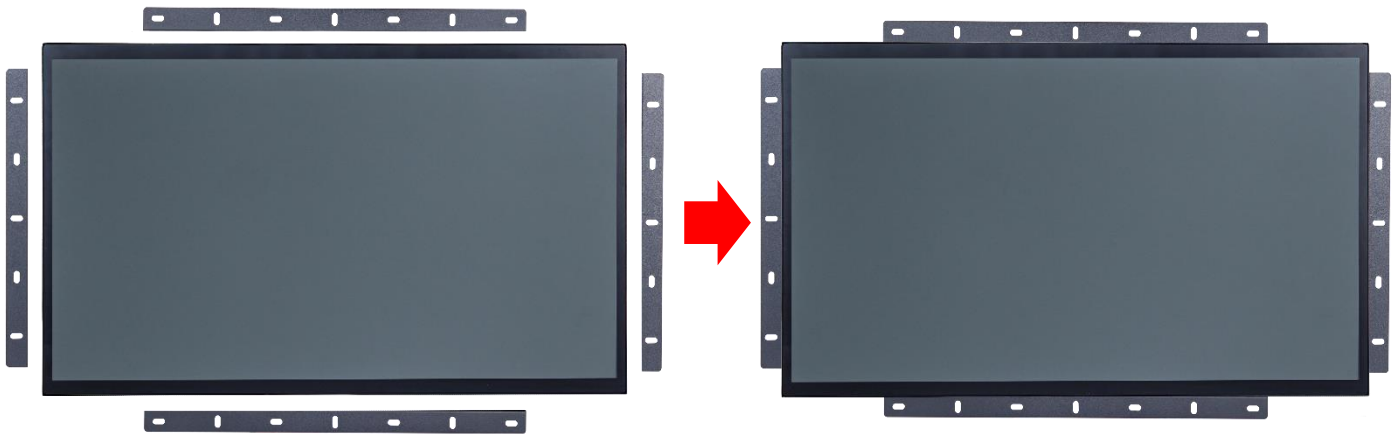
| | | | |
|------------------|------------------------|---------------------|---------------------|
| Item | B Stand | Part No. | DST-0B002/DST-1B002 |
| Mounting Pattern | 100x100 / 75x75 mm | Dimension (WxHxD) | 203x275x227 mm |
| Material | Steel/Plastic/Aluminum | Net Weight | 1.8 KG |
| Tilt (Hinge) | -2° ~ +180° | Support Max. Weight | 15 KG |



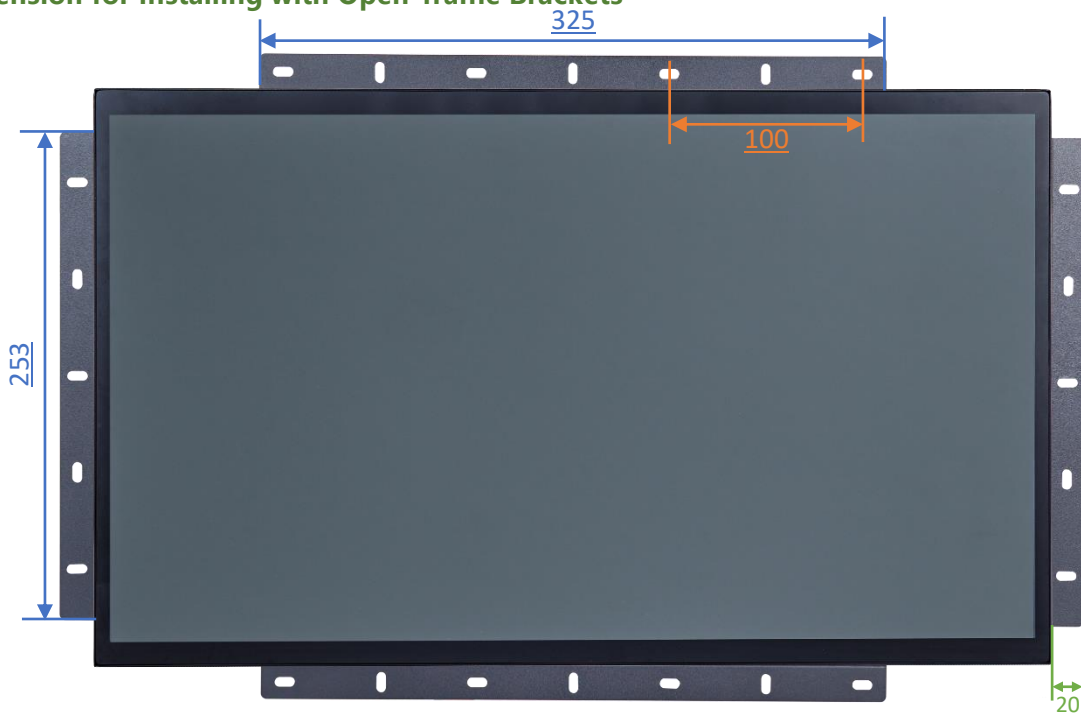
| | | | |
|------------------|--------------------|---------------------|---------------------|
| Item | Z Stand | Part No. | DST-0BZ01/DST-1BZ01 |
| Mounting Pattern | 100x100 / 75x75 mm | Dimension (WxHxD) | 190x240x41.6 |
| Material | SECC | Net Weight | 2.6 KG |
| Tilt (Hinge) | ±360° | Support Max. Weight | 15 KG |



Open-frame Brackets (Option)



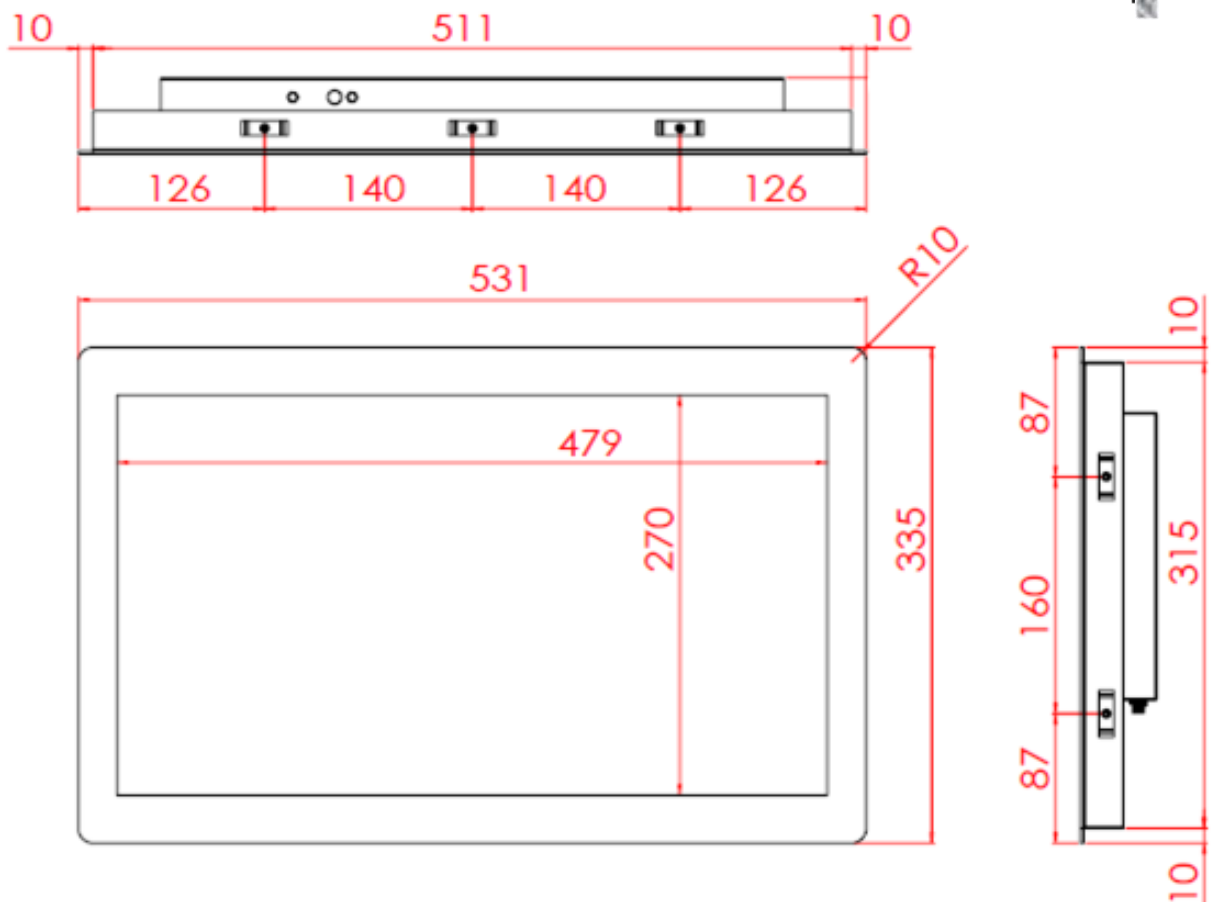
Dimension for Installing with Open-frame Brackets



Panel Mount Kits (Option)

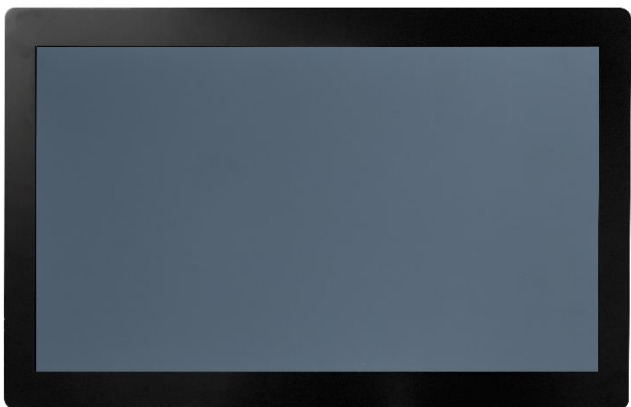
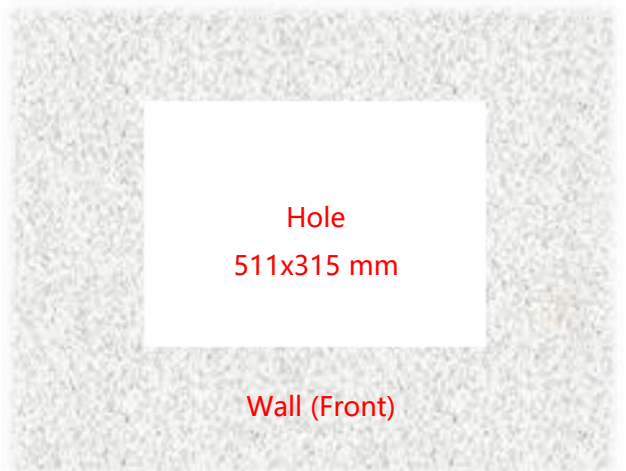


Dimension for Installing with Panel Mount Kit

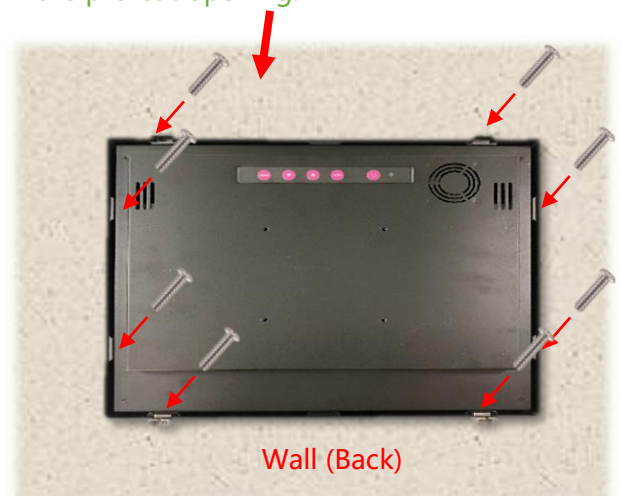




Step 1: Assemble the front module with the screen body. (This step is pre-assembled at the factory.)

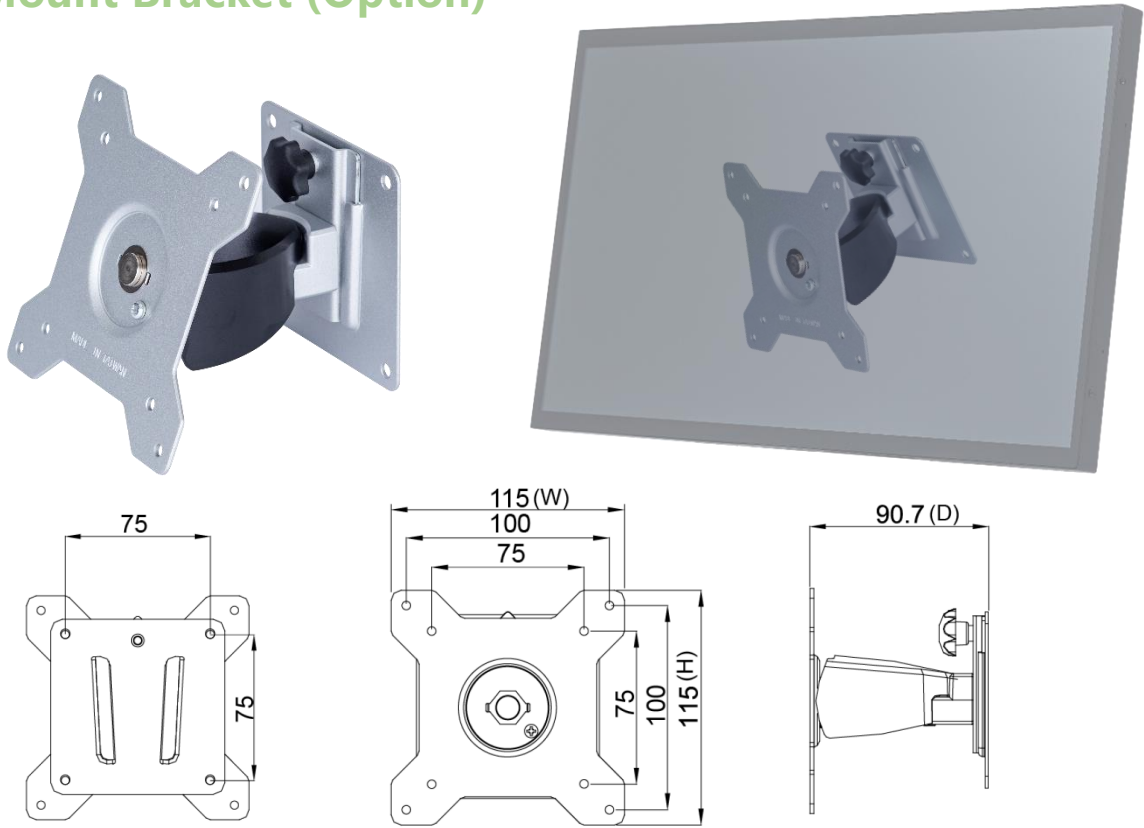


Step 2: Insert the screen from the front into the pre-cut opening.



Step 3: Attach the clips from the back and secure with screws. (Up to 10 clips can be installed as needed or per positional limitations.)

Wall Mount Bracket (Option)



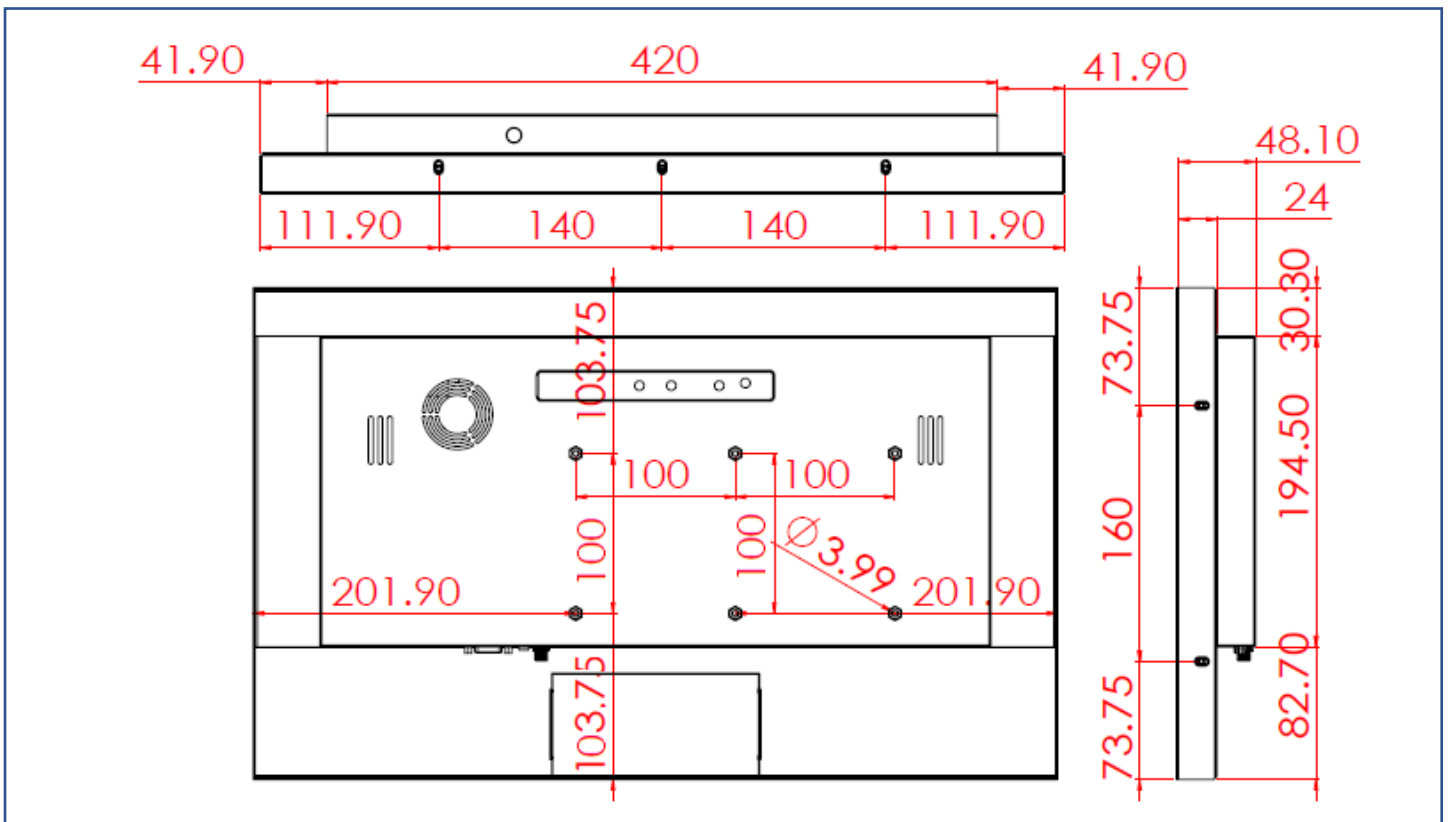
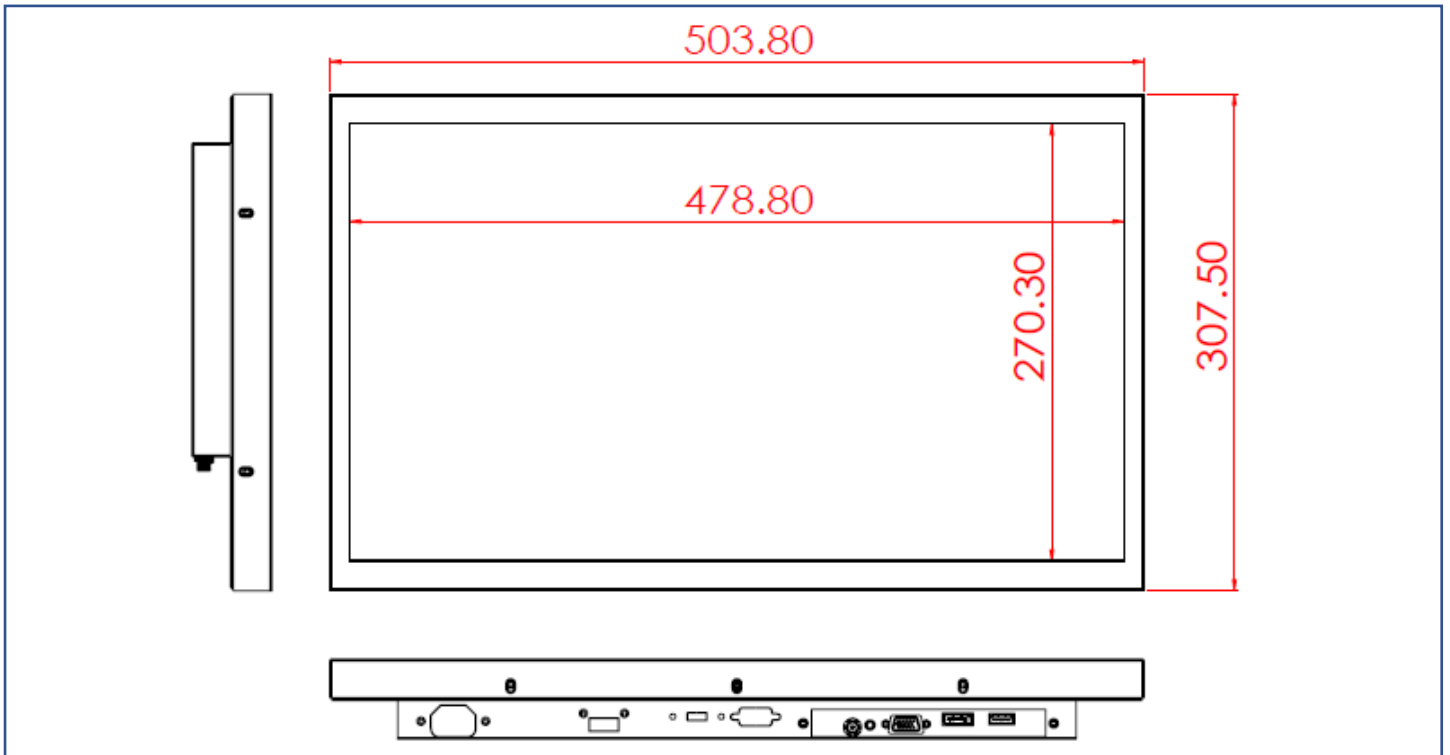
Packing Information



| | |
|------------------|-----------------------|
| Unit Carton Size | 677x161x440 mm |
| Unit N. Weight | ≤4.8 KG |
| Unit G. Weight | ≤6.9 KG |
| Units per Pallet | 30 units |
| Pallet Size | 120x100x147 CM |

Physical Specifications

| | | | |
|-----------------|-------------------------|--------------|----------------|
| Dimension (Max) | 504x308x50(±2)mm | Net Weight | ≤4.8 KG |
| VESA Mounting | 100x100 mm | Gross Weight | ≤6.8 KG |



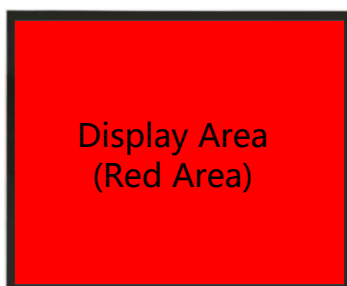
Cosmetic Inspection Standard

| Display Area Allowance | | | |
|--|--|------------|------------|
| Defect description | Defective Specifications | Allowance | Remarks |
| Dot Defect (including dark dot, particles, bubbles, pits, dust, foreign matter) | $D \leq 0.2\text{mm}$ | Ignored | D=Diameter |
| | $0.2 < D \leq 0.7\text{mm}$ | $N \leq 5$ | N=Quantity |
| | $0.7 < D \leq 1\text{mm}$ | $N \leq 3$ | |
| | $D > 1\text{mm}$ | $N \leq 0$ | |
| Linear Defect (including scratches, fluff, particles) | $W \leq 0.15\text{mm}$ | Ignored | W=Width |
| | $0.15 < W \leq 0.5\text{mm}, L \leq 15\text{mm}$ | $N \leq 2$ | L=Length |
| | $W > 0.5\text{mm}$ or $L > 15\text{mm}$ | NG | |

* Visual inspection distance: 60cm, 90 degree (same for front/side/back)

| Front Appearance Allowance (Including Coating) | | | |
|---|---|------------|-------------------|
| Defect description | Defective Specifications | Allowance | Remarks |
| Dot Defect (including particles, bubbles, pits...etc.) | $D \leq 0.7\text{mm}$ | Ignored | D=Diameter |
| | $0.7 < D \leq 1.5\text{mm}$ | $N \leq 3$ | N=Quantity |
| | $D > 1.5\text{mm}$ | $N \leq 0$ | |
| Linear Defect (including scratches, fluff, particles) | $W \leq 0.2\text{mm}, L \leq 15\text{mm}$ | Ignored | W=Width, L=Length |
| | $0.2 < W \leq 0.7\text{mm}, L \leq 15\text{mm}$ | $N \leq 1$ | |
| | $W > 0.7\text{mm}$ or $L > 15\text{mm}$ | NG | |

| Side / Back Appearance Allowance (Including Coating) | | | |
|---|---|------------|-------------------|
| Defect description | Defective Specifications | Allowance | Remarks |
| Dot Defect (including particles, bubbles, pits...etc.) | $D \leq 1.5\text{mm}$ | Ignored | D=Diameter |
| | $1.5 < D \leq 3\text{mm}$ | $N \leq 8$ | N=Quantity |
| | $D > 3\text{mm}$ | $N \leq 2$ | |
| Linear Defect (including scratches, fluff, particles) | $W \leq 0.8\text{mm}, L \leq 15\text{mm}$ | Ignored | W=Width, L=Length |
| | $0.8 < W \leq 1.5\text{mm}, L \leq 15\text{mm}$ | $N \leq 5$ | |
| | $W > 1.5\text{mm}$ or $L > 15\text{mm}$ | NG | |



Display Area
(Red Area)



Front Appearance (Red Area)



Back Appearance