

Product Specifications

Customer	
Model	NTAP215-1-S8 V600
Model No.	NTAP215<u>XXSXX</u>-S8R88FC-<u>XXXX</u>-600 *

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



Records of Revision			
Vision	Modifying	Old Description	New Description
v2606.1	Initial release		

Key Features

- ★ 21.5" wide LCD panel 1920x1080 (FHD)
- ★ Wide viewing angle 178°/178°
- ★ Rockchip RK3588, 4*Cortex-A76 + 4*Cortex-A55
- ★ On Board DDR4 8G Memory
- ★ On Board 64 Flash ROM
- ★ Android 14
- ★ Narrow-bezel true-flat PCAP touch screen
- ★ 7H Hardness tempered cover glass
- ★ 10-point multi-touch , supports Nextech stylus
- ★ Metal Cabinet with Diverse Combine Options
- ★ Metal housing with multiple mounting options
- ★ Optional high brightness up to 1500nits for outdoor applications
- ★ Optional Privacy filter or antimicrobial surface treatment



PSE



BSMI



RoHS



CE



ISO9001



FCC



Desktop Stand



Wall Mounting



Open-frame Brackets



Panel Mount

System Specifications

CPU	Rock Chip ARM RK3588, 4*Cortex-A76 + 4*Cortex-A55
Memory	DDR4 8G
Storage	64G Flash ROM
Sound Chip	ES8336 Audio HDA codec
Physical Network	1. Realtek RTL8211F GbE Ethernet Controller Realtek RTL8211H GbE Ethernet Controller
Wireless Network	2.4GHz/5GHz WIFI+ Bluetooth 5.3
OS	Android 14

Display Specifications

Screen Diagonal	546.3 mm (21.5 inch)	Display Mode	Normally Black
Display Area	476.1x267.8 mm	Backlight Unit	LED (white LED)
Resolution	1920x1080 (FHD)	Viewing Angle (L/R, U/D)	178°/178° (CR=10)
Contrast Ratio	1000:1	Response Time	14 msec.
Display Ratio	16:9	Backlight Lifetime	>30,000 Hours
Support Colors	16.7M Colors	Operating Temp.	0~50°C
Pixel Pitch	0.24795x0.24795 mm	Storage Temp.	-20~60°C

Brightness Options

Configuration	Brightness	Application	Ordering Information
Standard	500nits	General (Indoor)	NTAP215 NXSXX -S8R88FC- XXXX -600
Optional	1000nits	Outdoor / Semi-outdoor	NTAP215 AXSXX -S8R88FC- XXFX -600
Optional	1500nits	Outdoor	NTAP215 HX2XX -S8R88FC- XXFX -600 *

* Refer to datasheets: NTAP215-2-S8 V600

Touch Options

Configuration	Specification	Ordering Information
Standard	Projected Capacitive Touch	NTAP215X<u>P</u>SXX-S8R88FC-XXXX-600
Optional	Resistive Touch	NTAP215X <u>5</u> SXX-S8R88FC-XXXX-600
Optional	Non-Touch	NTAP215X <u>0</u> SXX-S8R88FC-XXXX-600

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

Resistive Touch Specifications

Touch Points	1 point	Surface Treatment	Anti-glare<15%
Transparency	80%±5%	Hardness	3H
Accuracy	98.50%		

Surface Treatment Options

Configuration	Specification	Ordering Information
Standard	Glare Type	NTAP215XXS<u>00</u>-S8R88FC-XXXX-600
Optional	Anti-Glare & UV-resistant Coating	NTAP215XXS <u>GG</u> -S8R88FC-XXXX-600
Optional	Antibacterial (AB Film)	NTAP215XXS <u>AB</u> -S8R88FC-XXXX-600
Optional	Privacy filter (AS Film)	NTAP215XXS <u>SF</u> -S8R88FC-XXXX-600

Other Configuration Options

Housing Material		
Configuration	Specification	Ordering Information
Standard	SECC	NTAP215<u>XXSXX</u>-S8R88FC-<u>SXXX</u>-600
Optional	Stainless Steel	NTAP215 <u>XXSXX</u> -S8R88FC- <u>LXXX</u> -600
Optional	Aluminum	NTAP215 <u>XXSXX</u> -S8R88FC- <u>AXXX</u> -600

Housing Color		
Configuration	Specification	Ordering Information
Standard	Silver	NTAP215<u>XXSXX</u>-S8R88FC-<u>XSXX</u>-600
Optional	White	NTAP215 <u>XXSXX</u> -S8R88FC- <u>XWXX</u> -600
Optional	Black	NTAP215 <u>XXSXX</u> -S8R88FC- <u>XBXX</u> -600
Optional	Custom Color	NTAP215 <u>XXSXX</u> -S8R88FC- <u>XXX</u> -600 *

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

Cooling Fan		
Configuration	Specification	Ordering Information
Standard	Fanless	NTAP215<u>XXSXX</u>-S8R88FC-<u>XX0X</u>-600
Optional	7-blade, 4000 RPM, 28.3dB	NTAP215 <u>XXSXX</u> -S8R88FC- <u>XXFX</u> -600

Power Input		
Configuration	Specification	Ordering Information
Standard	12VDC locking jack (Φ2.1mm)	NTAP215<u>XXSXX</u>-S8R88FC-<u>XXX2</u>-600
Optional	100-240VAC, C14 inlet	NTAP215 <u>XXSXX</u> -S8R88FC- <u>XXXA</u> -600



DC-in

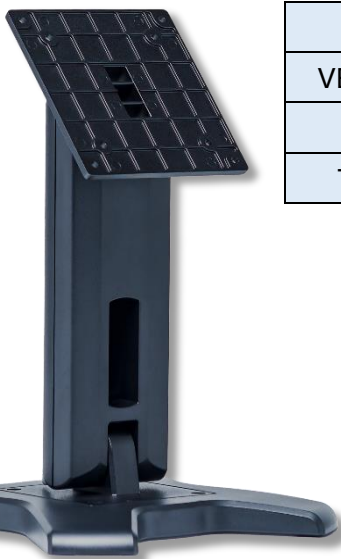


AC-in

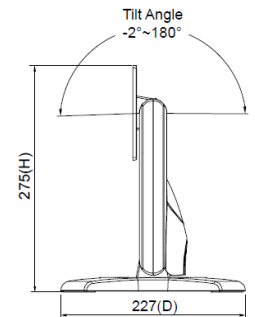
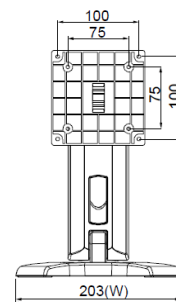
Optional Mounting Accessories

	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 Type B (Optional)



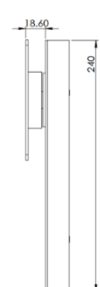
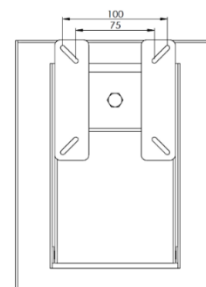
Item	B Stand	Model	DST-0B002/DST-1B002
VESA Mount	100x100 / 75x75 mm	Dimensions	203x275x227 mm
Material	Steel/Plastic/Aluminum	Net Weight	1.8 kg
Tilt Angle	-2° ~+180°	Load Capacity	15 kg



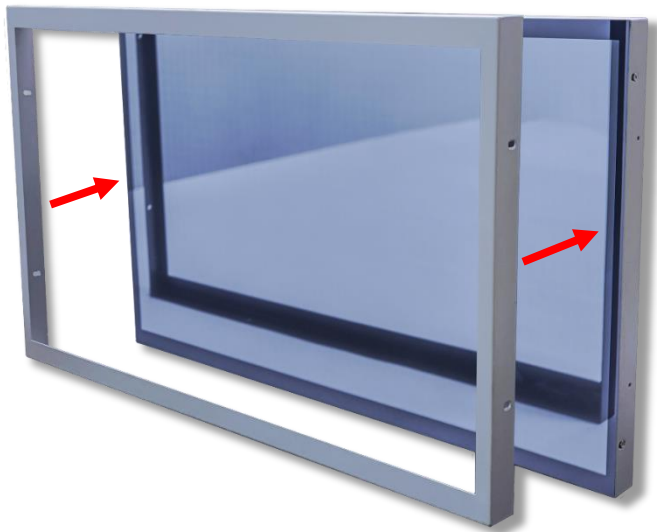
Desktop Stand Type Z (Optional)



Item	Z Stand	Model	DST-0BZ01/DST-1BZ01
VESA Mount	100x100 / 75x75 mm	Dimensions	190x240x41.6 mm
Material	SECC	Net Weight	2.6 kg
Tilt Angle	±360°	Load Capacity	15 kg



Front Protection Frame (Optional)

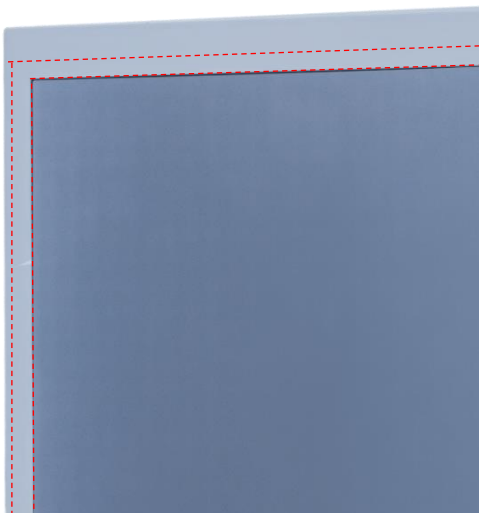


The standard **NTAP215** features a true-flat design with only 1mm metal bezel.

To enhance protection for the corners of the touch screen, the **Front Protection Frame** can be added.



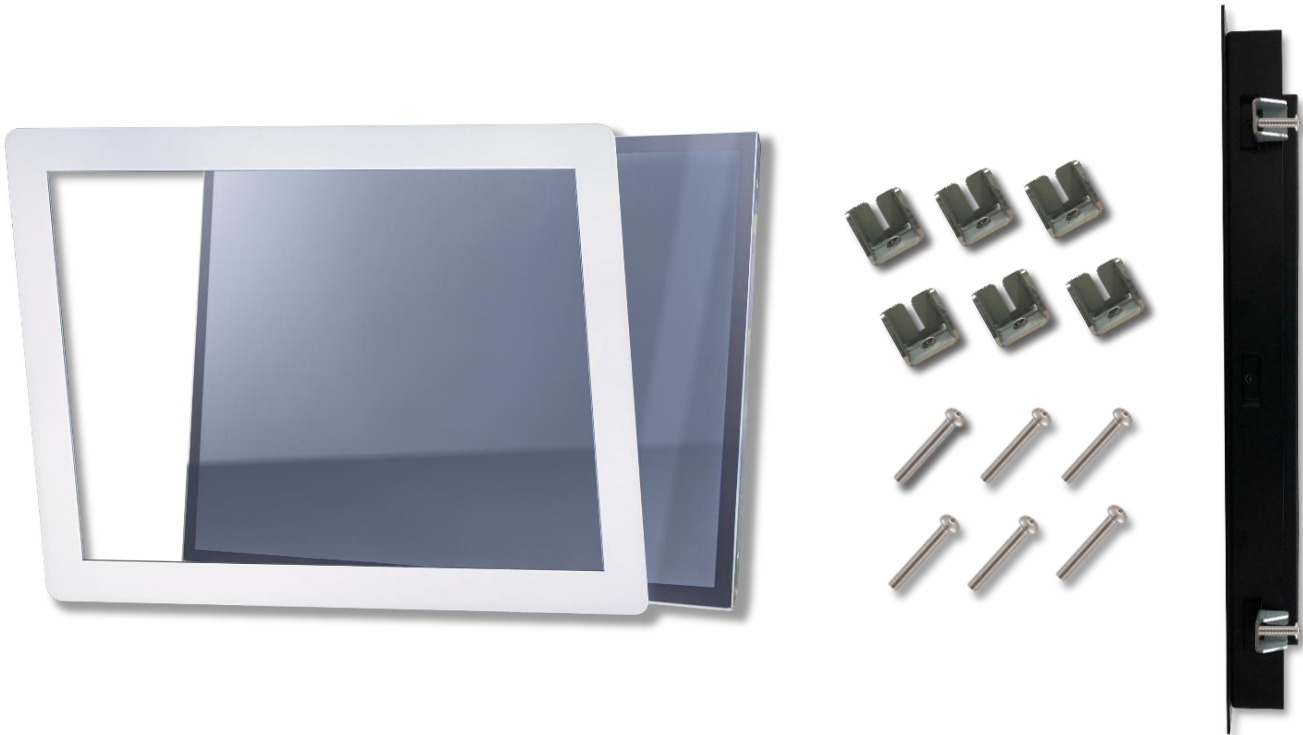
A waterproof gasket can be added between the **Front Protection Frame** and the **NTAP215** to comply with IP65 front protection requirements.



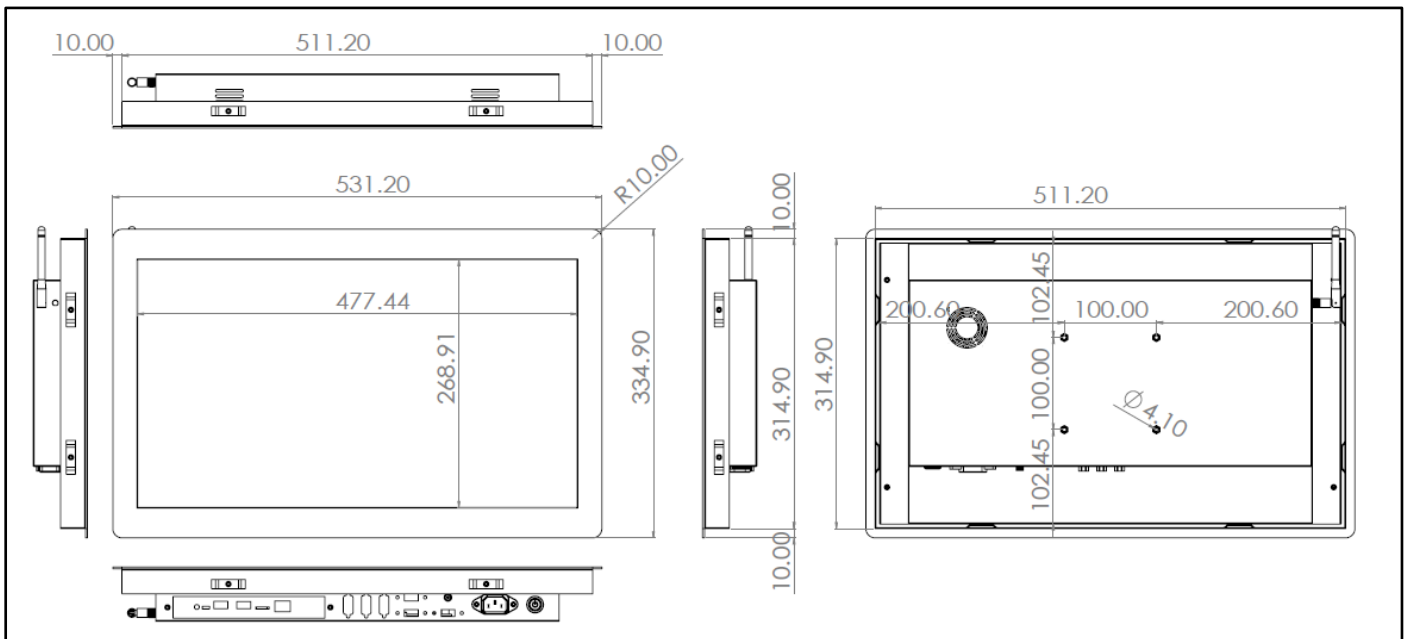
Nextech P Series 21.5" Android All-in-one Touch PC

NTAP215-1-S8 V600

Panel Mount Kits (Option)

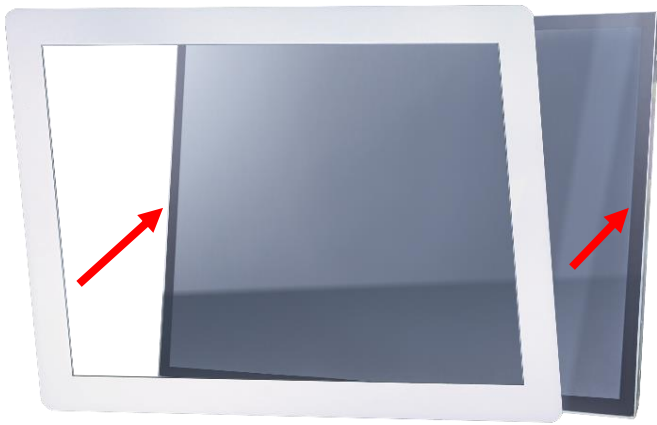


Panel Mount Installation Dimensions

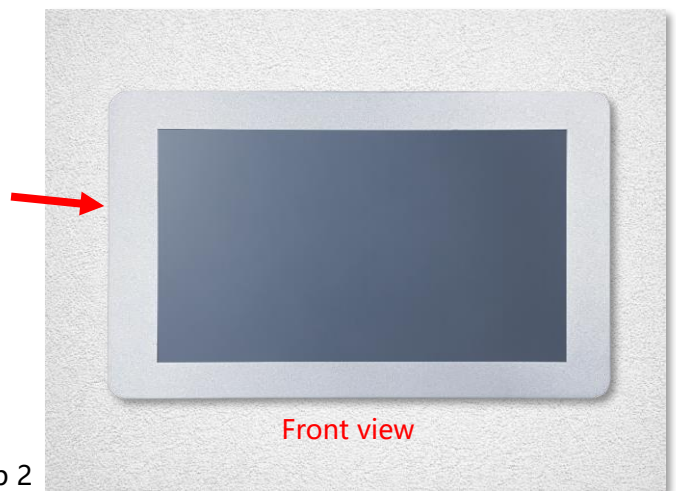
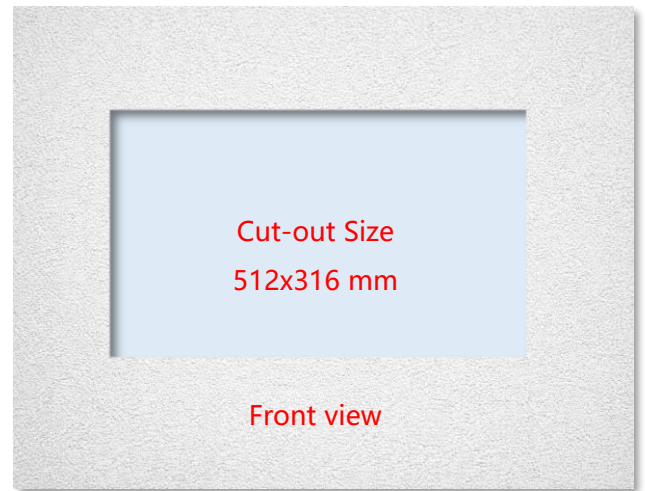


Nextech P Series 21.5" Android All-in-one Touch PC

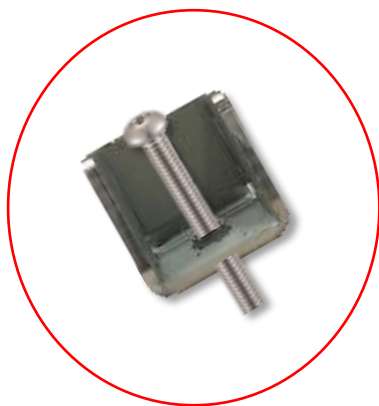
NTAP215-1-S8 V600



Step 1
Assemble the front module with the display unit.
(This step is pre-assembled at Nextech's factory.)

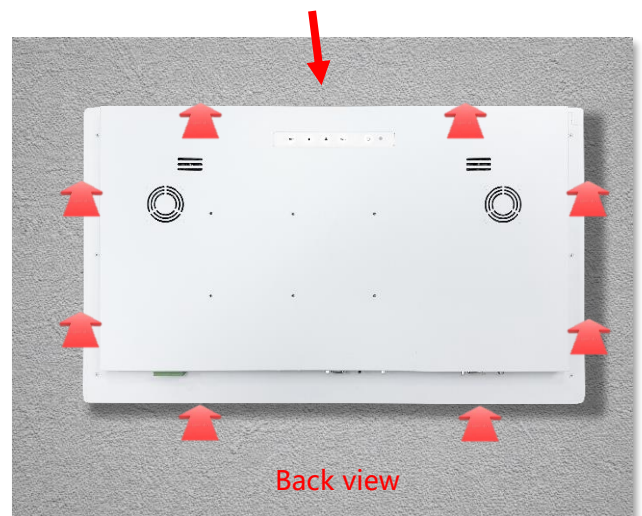


Step 2
Insert the display into the cut-out from the front.

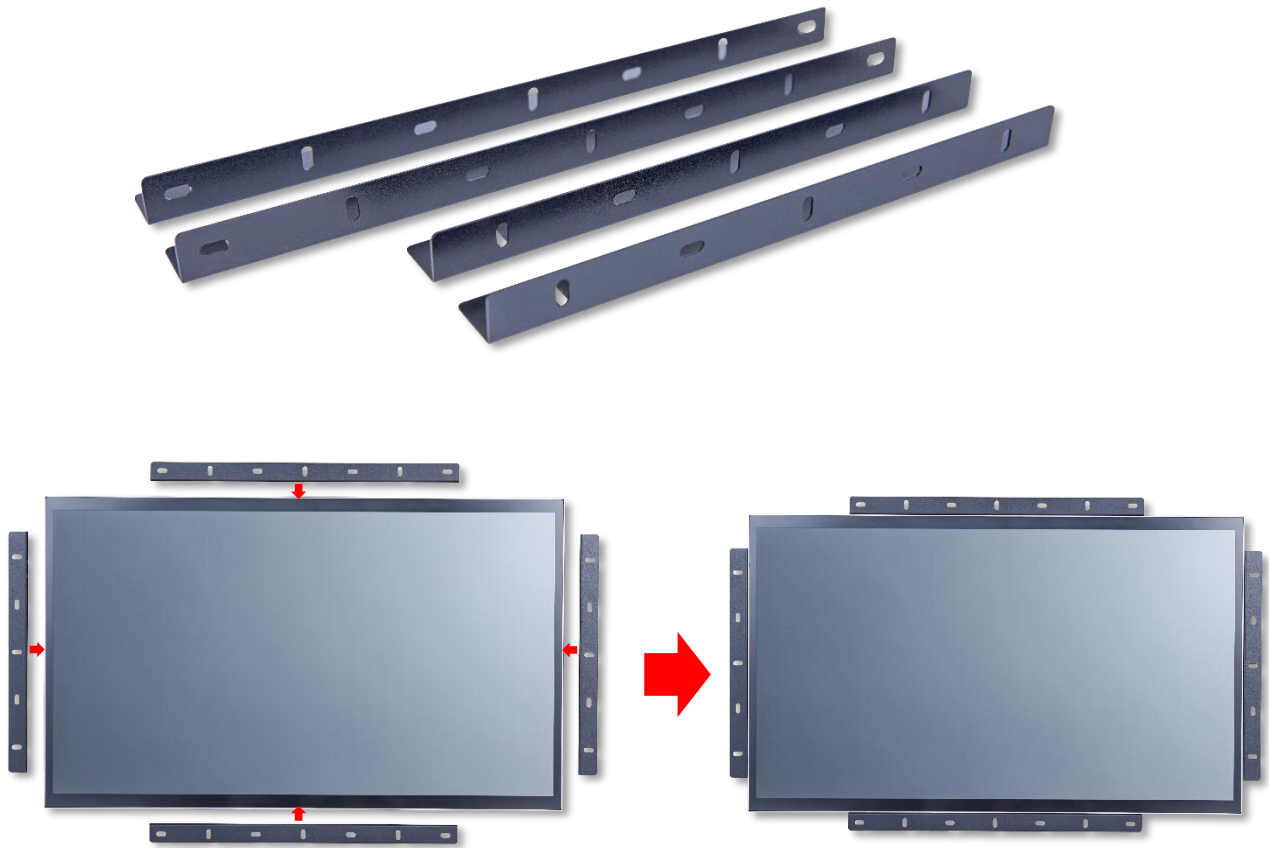


Step 3

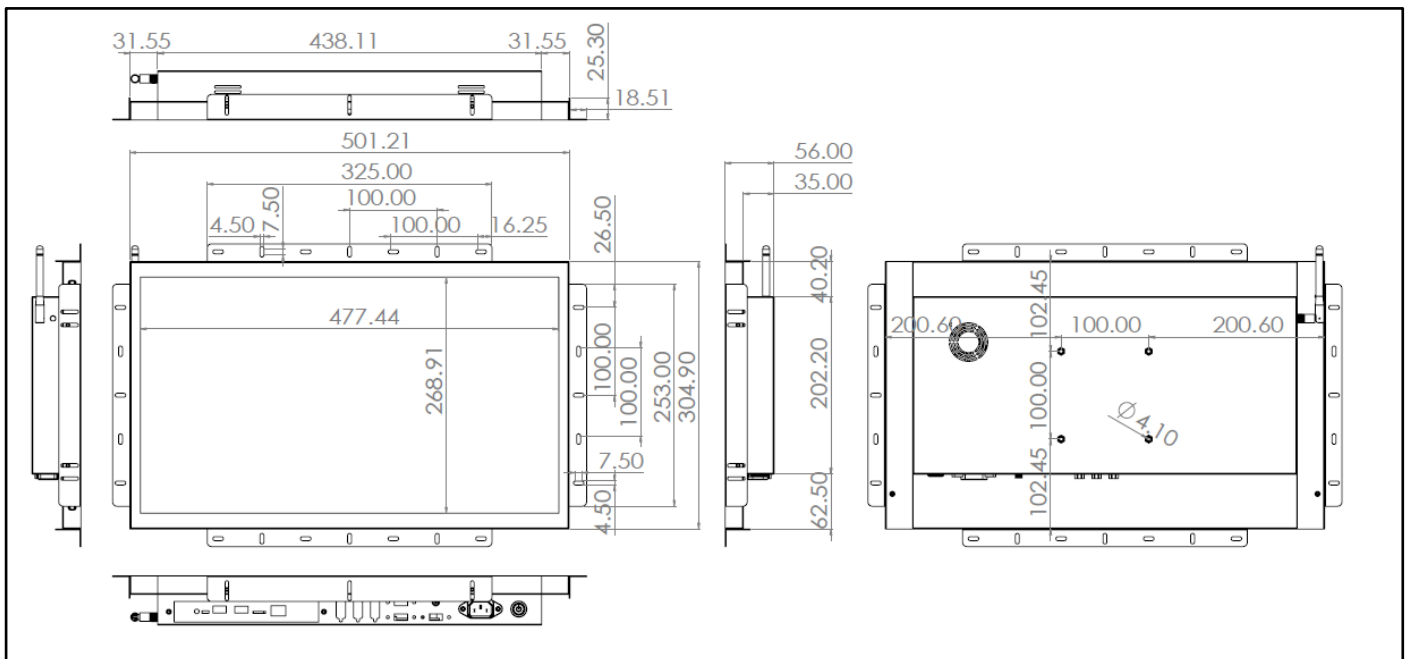
Install the mounting clips from the rear side and secure them with screws.



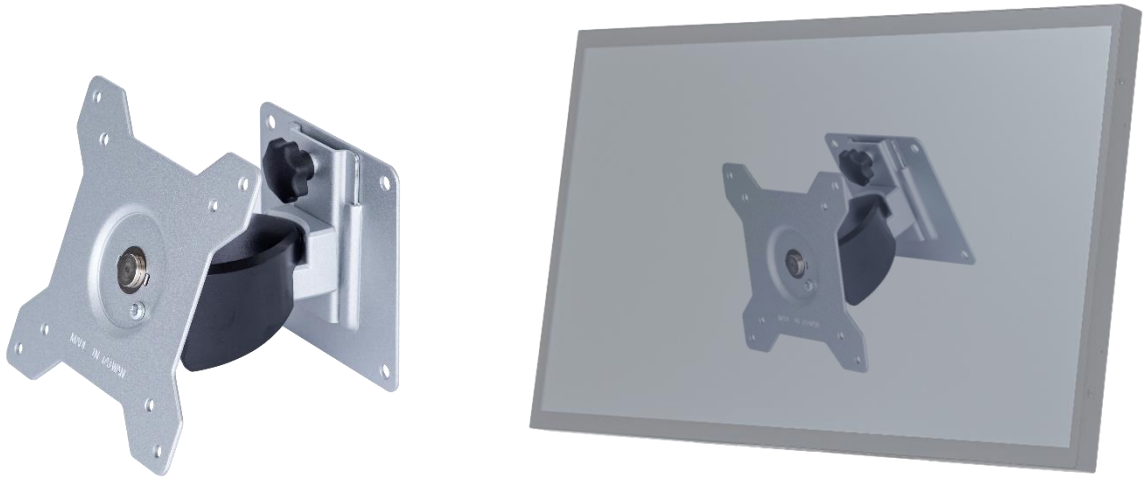
Open-frame Brackets (Optional)



Open-frame Bracket Installation Dimensions



Wall Mount Bracket (Optional)



Packaging Information



Carton Dimensions	670x155x445 mm
Net Weight	≤5.1 kg
Gross Weight	≤7.2 kg
Units per Pallet	30 units
Pallet Size	120x100x147 cm

Optional Features & Accessories

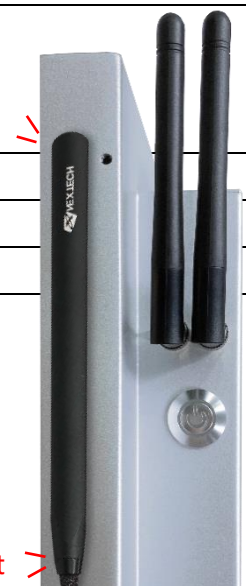
Camera & Microphone (Option)



Lens	1/3.06" CMOS Image sensor
Max. Resolution	12MP 3840x3104
Default Resolution	3840x2160 (UHD/4K)
Pixel Size	1.12 um x1.12 um
Device Name	12Mp Webcam
Auto Focus	Yes
Focus Distance	10 cm-Infinity
Input Voltage	5V
Microphone Sensitivity	-26 dBFS
Frequency	2.4 MHz
Data Latency	18~60 msec

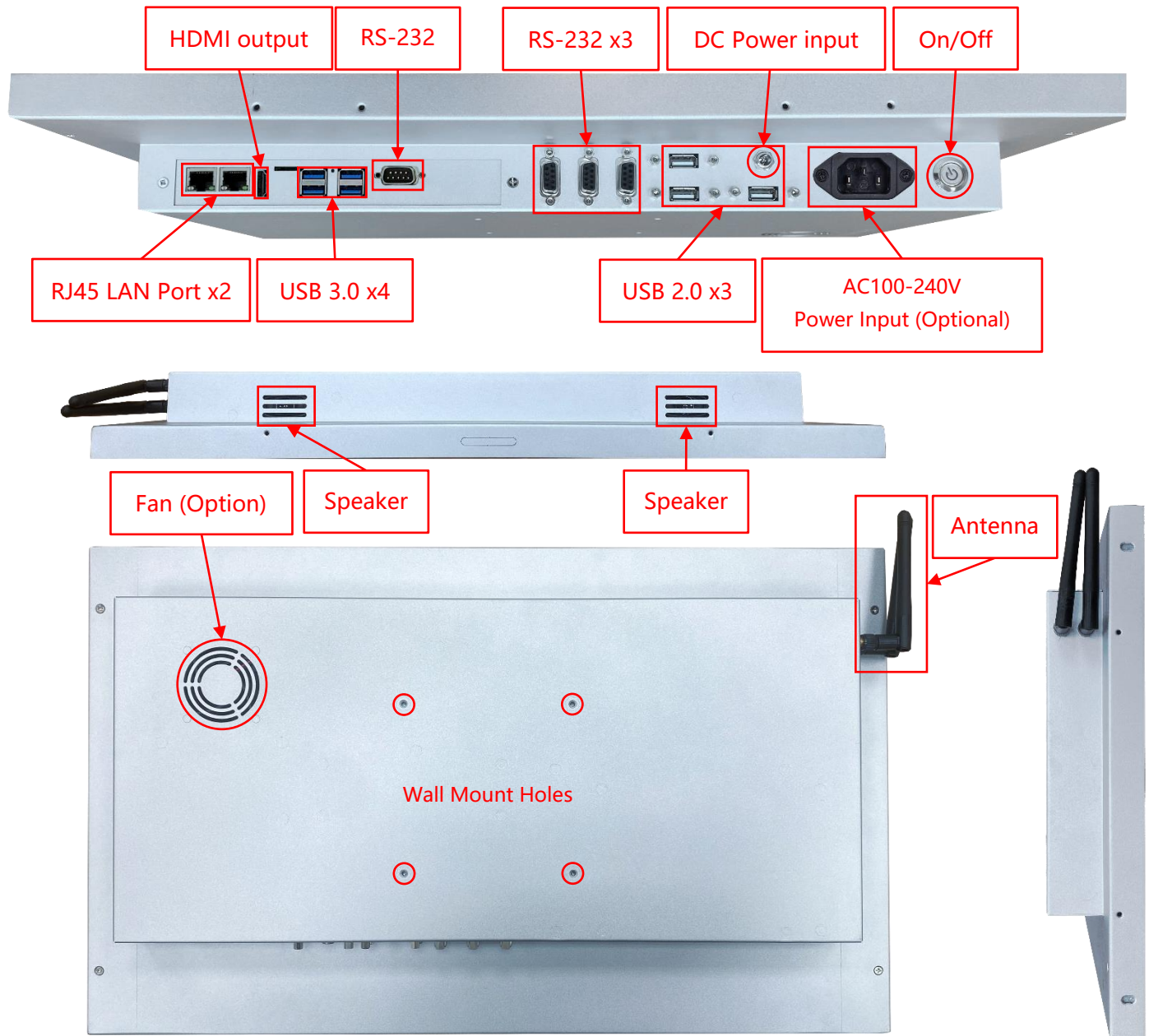
Nextech Stylus (Optional)

Tip	Passive conductive metal mesh
Tip Diameter	6mm
Magnetic Attachment	Yes



Magnetic Attachment >

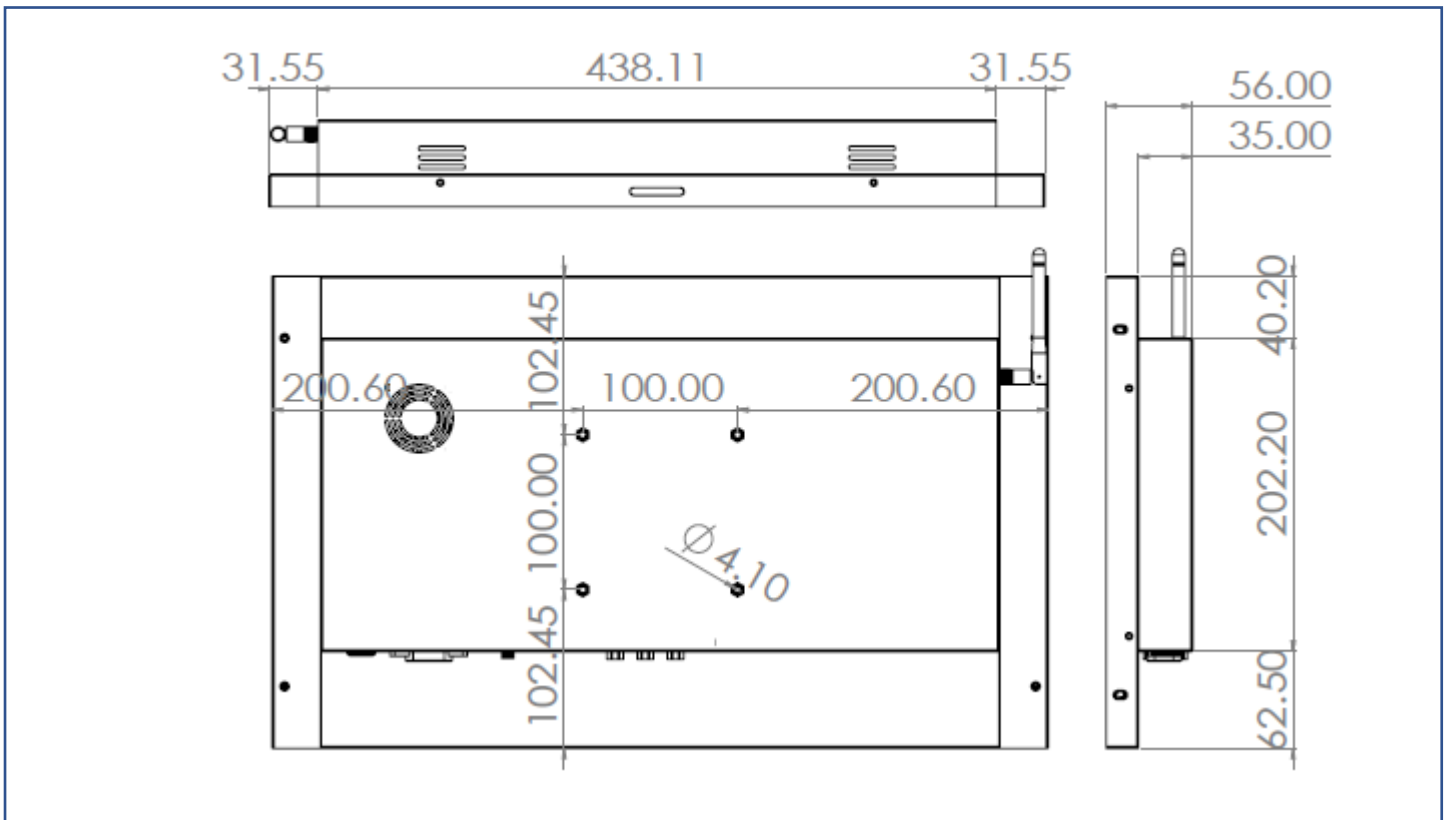
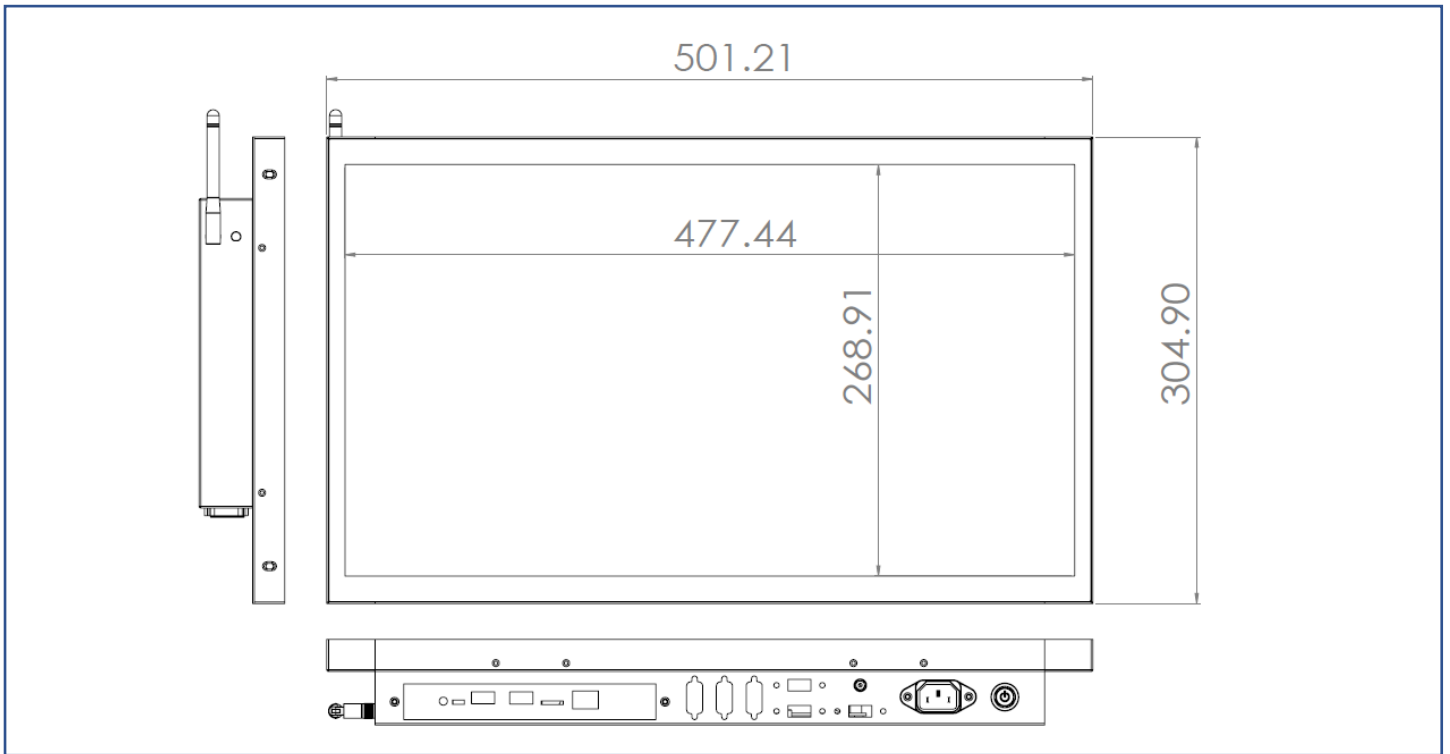
Input /Output System



Input / Output	Connectors	Input / Output	Connectors
DC Power Input	1	HDMI output	1
AC Power Input	Optional	LAN (RJ45)	2
USB 2.0	3	Wi-Fi/Bluetooth & Antenna	1
USB 3.0	4	Speakers	2W x2
RS232	4		

Mechanical Specifications

Dimensions (Max.)	501.21x304.9x56(±2)mm	Net Weight	≤ 5.1 kg
VESA Mount	100x100 mm	Gross Weight	≤ 7.2 kg



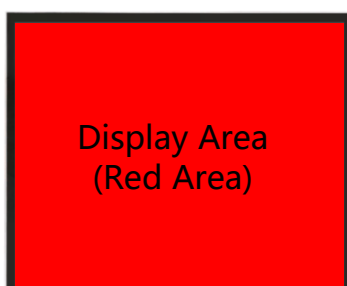
Cosmetic Inspection Criteria

Display Area Defect Criteria			
Defect Description	Defect Criteria	Acceptance	Remarks
Dot Defects (dark dot, particles, bubbles, pits, dust, and foreign matter)	$D \leq 0.2\text{mm}$	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 (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 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)	$D \leq 0.7\text{mm}$	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 (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 Defect Criteria (Including Coating)			
Defect Description	Defect Criteria	Acceptance	Remarks
Dot Defects (dark dot, particles, bubbles, pits, dust, and foreign matter)	$D \leq 1.5\text{mm}$	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