

USER'S MANUAL

AOD133-OF (13.3") metal case monitor



Standard type,
also available as:



Black panelmount
(-PMB)



RVS panelmount
(-PMR)



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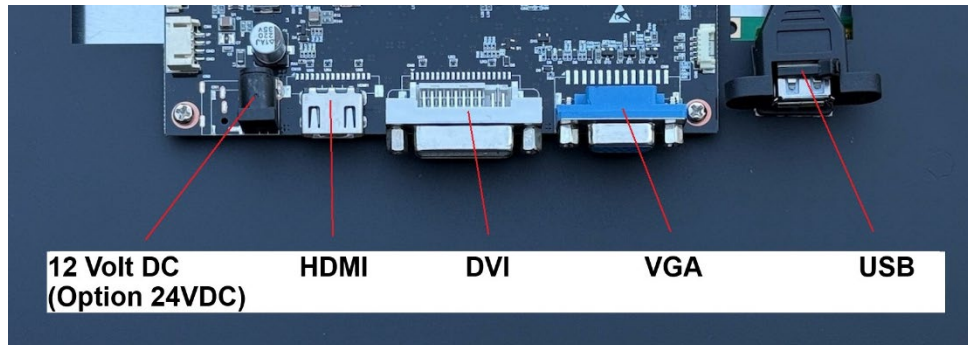
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1. Monitor User's Manual

1.0 Connection To the Monitor



1.1 Installation

- Connect the video cable to the display port of computer. For DVI or VGA, tighten the two thumbscrews by turning clockwise.
- Connect the usb port for touchscreen with usb port of computer.
- Plug the DC cord of the AC adapter to the power connector and the plug the end of AC adapter to and electrical outlet socket(110V/220V)
- Connect DC cord of adapter (12V DC) to the monitor..

1.2 Features

- Hufferproof design with full black powdercoated metal housing and minimal 3mm hardened (touch)glass.
- Precise multi-point (10 points) touching.
- Maintenance free.
- Complete metal monitor with strong stability.
- Supporting plug and play for win-7,-8 and -10. (Mac | Linux | Android with driver).
- Unit can be touched with finger, hand gloves or stylus pencil.
- Fast touch response (less than 10 ms).

1.3 Plug and Play Function

AOD133 can be installed and connected automatically to any computer systems without driver CD or software programs. Monitor will recognize the optimized value of video mode by DDC(Display Data Channel) method that makes the graphic card of computer to communicate with the monitor.

AOD133 supports VESA DDC 1/2B.

1.4 Safety Precaution

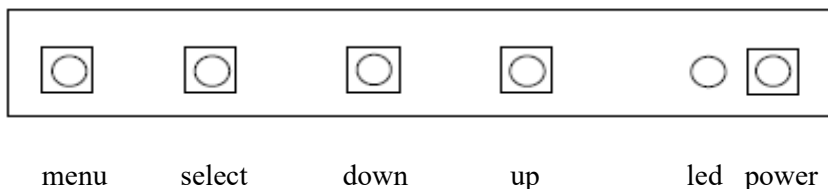
We strongly recommend that you carefully read this User's Manual before operating your LCD monitor. FOLLOW INSTRUCTIONS in this manual.

Please read and comprehend all using directives before use this machine.

- **Power**
Use the type of power indicated on the marking label.

- **Adapter**
Only use an adapter designed of the LCD monitor.
- **Plug**
Do not remove any of the prongs of the monitor's three-pronged power plug.
Disconnect the power plug from the AC outlet if you will not use it for an indefinite period of time.
- **Power and extension cord**
- Use the proper power cord with ground conductor
Do not overload wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed 7 amperes.
Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
- **Care and maintenance**
Slots and openings in the cabinet are provided for ventilation. Do not block or cover these openings. Do not push objects of any kind into cabinet slots or openings. The screen surface is easily scratched. Do not use paper towels to clean the display. Avoid touching it with your fingers, pens, or pencils.
- Turn off the AC adapter and the monitor over long periods when not in use.

1.5 OSD Controls



Button	Function	Status	HOT Key
LED	Indicates operation status	Green: Normal Operation Yellow(Amber): No valid input, No Signal, Off Mode	
POWER	Turn on or turn off the power		
MENU	Display the OSD menu on no menu status		
SELECT	Select highlighted function		Auto Configuration on no menu status(RGB Only)
UP	Select next menu item Increase slider value		Auto Color on no menu status(RGB only)
DOWN	Select previous menu item Decrease slider value		

1.6 OSD Menu

ITEM	Sub Menu	Description	Remarks
PICTURE	Backlight	Adjust the backlight level of the screen image	100
	Brightness	Adjust the background black level of the screen image	
	Contrast	Adjust the contrast between the objects and background	
	Sharpness	Make the outline of objects more clear or blurry	
DISPLAY	Auto Adjustment	Automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion	RGB only
	H Position	Move the image horizontal position	
	V Position	Move the image vertical position	
	Pixel Clock	Adjust picture width	RGB only
	Phase	Adjust picture focus quality	
COLOR	Gamma	Select the gamma	
	Color Temp	Allow selection of different color temperature schemes. (User, Standard, 5800K, 6500K, 7500K, 9300K)	
	Color Effect	Select the Color Effect (Standard, Vivid, Photo, Movie, Game)	
	Hue	Increase/decrease Hue level,	
	Saturation	Increase/decrease Saturation level,	
ADVANCE	Aspect Ratio	Selections are Full Screen, Original, 5:4, 4:3, 16:9	
	Overscan	On/Off	
	Light Sensor	Not Supported	
	Temp Sensor	Not Supported	
	Auto Select	Auto source select	
INPUT	VGA	VGA source select	
	DVI	DVI source select	
OTHER	Reset	Reset to factory settings	
	Menu Time	Adjust the OSD menu timeout	
	OSD H Position	Adjust the OSD horizontal position	
	OSD V Position	Adjust the OSD vertical position	
	Language	Select OSD menu language	
	Transparency	Change the transparency of the OSD	
	Rotate	Rotates the OSD	



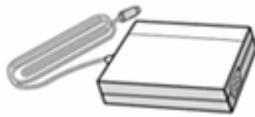
1.7 Specifications

General	
Model:	AOD133-OF
Size:	13.3"
Panel Type:	IPS
Backlight:	LED
Display colour:	262K
Color:	Black
Material:	Metal housing, Glass cover glass
Mounting Option:	2x M4 holes every side (Standard) or Set of Left+Right or Top+Down brackets (Option)
Video Inputs	Inputs: VGA/ DVI/ HDMI - DP or miniDP is option via cable
Dimensions	
Outside dimensions frame (wxhxd)	325.6*202.4*39.3 mm (without touchscreen or brackets) 354.6*202.4*39.3 mm (without touchscreen, with brackets L+R)
Active area (wxh)	293.76*165.24 mm
Display	
Native resolution:	1920*1080 @60HZ
Ratio:	16:9
Contrast:	800:1
Brightness:	250 cd/m
Viewing Angle (H/V):	85°-85° / 85°-85° degrees
Backlight life:	Min.15.000 hrs
Control:	OSD Control
Touchscreen	
Touch Technology:	Projected capacitive Touch (G+G)
Touch panel:	Glare hardened glass, total thickness 3.95 mm
Detected touches	10 touches.
Response time:	<10ms
Input Method:	Finger, hand gloves, or conductive stylus
Touch times:	Unlimited
Touch Activation Force:	No minimum touch activation force is required.
Controller type:	EETI chipset 80w46
Operating System Support:	Windows2000, XP, 7, 8, 10, 11, Android, Linux and MAC (inform us if you need MAC compatibility) .
Environment	
Temperature:	Operating: 0°C ~ 50°C Storage: -20°C ~ 60°C
Relative Humidity:	Operating: 90%(non-condensing at max 40°C) Storage: 90%(non-condensing at max 40°C)
Altitude:	Up to 3000m
Electrical	
Scan frequency:	60Hz
Operation Voltage:	Typical +DC 12V, +/- 10% (24 volt option).
Power Supply:	110-220V AC to 12Volt DC, min. 2A
Power:	6.4 W
Packing	
Agency Approvals:	CE, FCC, RoHS
Weight net.:	2.45 kg

1.8 Contents of the Retail Package



Monitor



AC/DC Adapter



Power cord



VGA Cable (option)



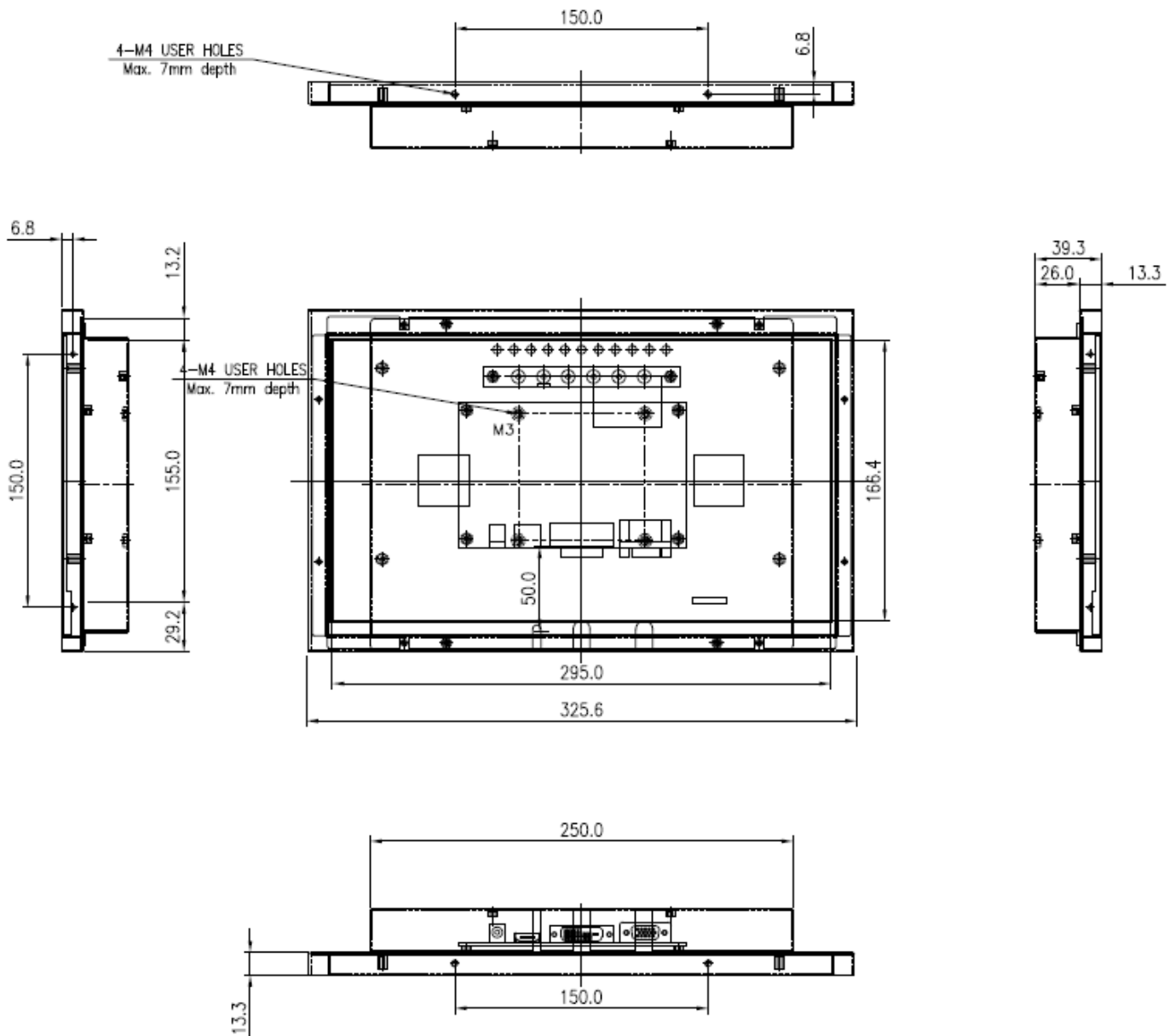
DVI Cable

1.9 Troubleshooting

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

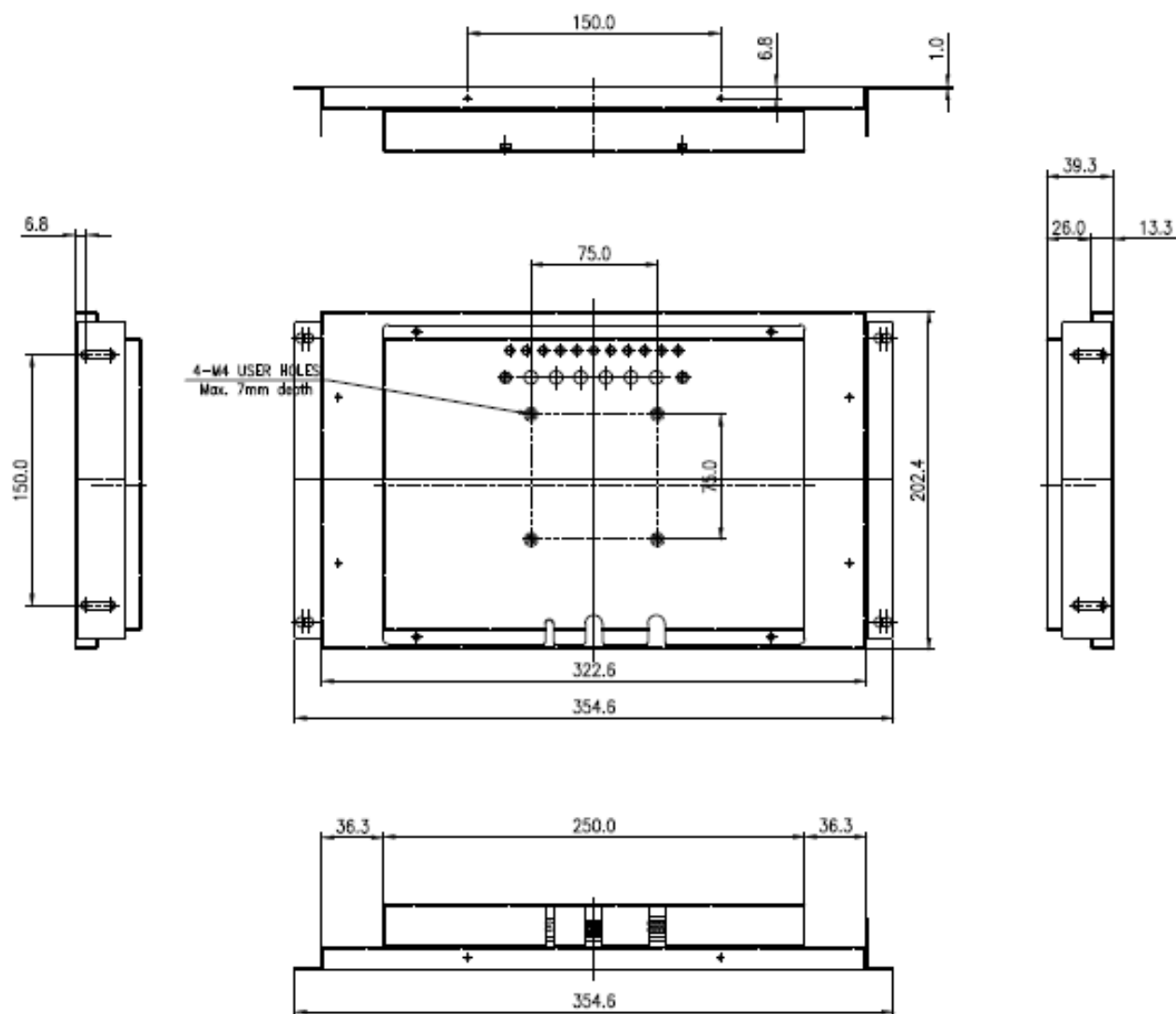
- The monitor does not respond after you turn on the system.
- Make sure that the monitor is turned on.
- Turn off the power and check the monitor's power cord, AC adapter, and signal cable for proper connection.
- Appear the " No Input the Signal"
- Check the connecting of the audio cable between the monitor and the computer.
- Appear the " Input Not the Supported"
- Input signal are insuperable, reset the video mode.
- The appearance is not at the screen center.
- Use "AUTO ADJUST", refer to the Controls section.
- The characters on the screen are too dim or too bright
- Choose fit color temperature, use "AUTO COLOUR ADJUST or manually adjust
- "RGB ADJUSTMENT, refer to the Control section.

1.10 Drawing (without L+R bracket) **(for touchscreen/cover glass add 4mm thickness)**



1.11 Drawing (with L+R bracket)

(for touchscreen/cover glass add 4mm thickness)



2. Touch Options

2.0 Touch-options related to monitor size

	Resistive			SAW			CAP		PROJ. CAP	IR	Optical Touch
	4Wire	5Wire	Dual Touch	3mm	6mm	protected	3mm	6mm			
13.3"	X	S	X	X	X	X	X	X	O	S	X

☐ Aviable
 ☒ Not aviable
 ☐ On demand

2.1 Option: Projected-capacitive-touchscreen

Projected capacitive sensor

Glass

Chemical resistance

Contact bounce

Break resistance

Activation force

Input modus

Surface hardness

Resolution

Position accuracy (linearity)

Operating life

Light transmission

Heat tempered glas, glare is standard, non glare is option

Tempered glass with black borders

Acetone, ammonia-based glass cleaners, hexane, isopropyl alcohol, methylene chloride, mineral spirits, turpentine, methyl ethyl ketone, gasoline, kerosene, vinegar.

Around 5 ms for finger contact

Meets UL-1950 steel ball drop test

No activation force needed

Finger, glove hand (rubber, cloth, leather)

Mohs' hardness rating: 7

4096*4096

less then 1%

∞

90% ±2%

Projected capacitive controller

Power consumption controller

Interface

Operating Temperature

Relative Humidity

Resolution

Report rate

Response time

Support operating systems:

USB is standard

50mA typical, 50mV peak to peak maximum ripple and noise

USB: 1, 1 Full Speed ('plug-and-play' compatible is standard)

-30 to 80°C

95% at 60°C, RH Non-condensing

16384 * 16384

>100Hz

Average < 25ms

Microsoft Windows: Vista/7/10/11/ IOT versions

Mac (inform us to set correct firmware)

Linux / Android / QNX

3. Mounting

3.0 overview

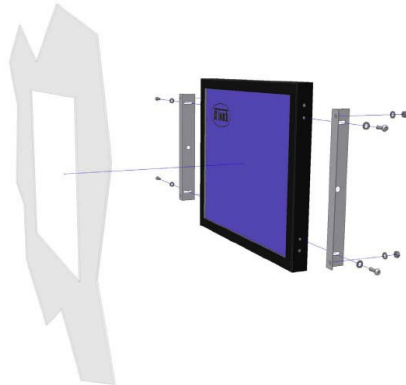
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3.1 Plain



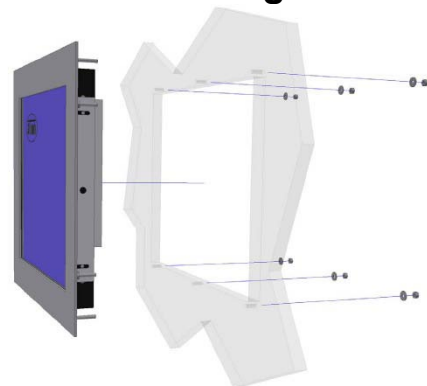
Metal case monitor

3.2 Rear-mounting



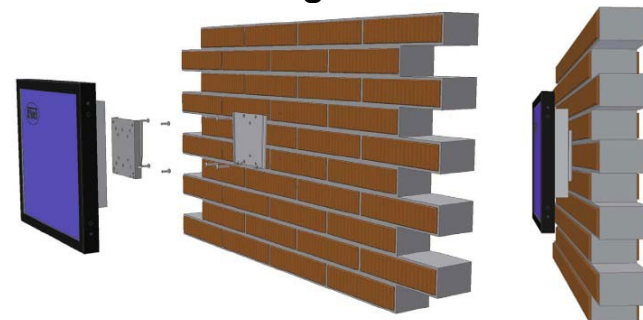
Metal case monitor + 2x brackets (option)

3.3 Panel-mounting



Metal case monitor + bezel + 2x brackets

3.4 On-Wall mounting



Metal case monitor + TV Wallmount (option)