TDS1539D 4:3 (1500nits)

Outdoor Open-Frame Touchscreen Monitor

Optically Bonded 1500 NIT Display

Direct Sunlight Readability

Built-in Temp Control

Features

+ Open frame, Ultra-narrow bezel design, Metal casing material, Easy to install and maintain
+ The front frame is made of stainless steel and plastic,prevent installation-related crushing/damage

+ Outdoor protective function
  ◎ Protection from direct sunlight: Ultraviolet and infrared protection technology effectively inhibits the accumulation of internal heat
  ◎ Anti-fogging: The touch display module uses a full lamination process, eliminating air gaps
  ◎ Anti-glare: The touchscreen features an anti-glare coating, ensuring a clear image even in sunlight
  ◎ Waterproof: The front frame is sealed to the touchscreen, making it waterproof and dustproof.
  ◎ Prevents screen blackout: Wide temperature range of -10℃ to 55℃, reducing the risk of screen blackout at high temperatures

+ Intelligent control system
  ◎ Temperature sensor: Controls fan speed based on internal temperature to achieve cooling
  ◎ Light sensor: Automatically adjusts screen brightness based on ambient light conditions

+ Industrial-grade LCD, 1500 nits brightness, 50,000-hour backlight lifespan.
+ Full viewing angle, 1024X768@60Hz, HADS display mode, lower power consumption
+ 10-touch projected capacitive touchscreen, even water droplets can be touched.
+ Multiple mounting holes are provided on the side and back for easy kiosk integration
+ Support OS:Windows/Android/Linux
+ 2-year Warranty

Option:　　◎ NO TOUCH　　◎ 3MM-5MM GLASS　　◎ 1000-1500nits　　◎ Privacy filter

1539D High Brightness Open-Frame Touchscreen Monitor

Diagonal	15" (4:3)
Color	Black/sliver
Active Area	304.128(W)×228.096(H) mm
Native Resolution	1024X768@60Hz
Number of Colors	16.7 million
Viewing Angle	Horizontal: 89°/178°; Vertical: 89°/178°
Contrast Ratio	1000:1
Brightness	LCD: 1500nits; Touchscreen: 1300nits
Response	14ms
Touchscreen	Projected capacitive touchscreen
Number of Touches	10-touch with USB
Touch glass	3mm
Touch mode	Finger/Stylus/Gloves (thickness≤ 2mm) *Supports touch even when palm is resting on the screen. *Supports touch even with water droplets on the screen.
Outdoor protective	Infrared blocking rate: 89.4% Ultraviolet blocking rate: 97% Anti-glare coefficient: Medium haze (10% - 15%). Allows for clear viewing of the screen in bright light Total solar heat rejection ratio: 52% (direct transmitted heat). Explosion-proof: Withstands a 450g steel ball dropped vertically from a height of 1.0m onto the center of the glass without breaking. Waterproof: The front frame is sealed to the touchscreen glass edge, preventing water from entering the display after spillage.
Light sensor module（built-in）	Automatically adjusts screen brightness based on ambient light. The factory default settings are as follows: * Automatically reduce monitor brightness in low ambient light to avoid excessive glare and save energy; * Automatically increase monitor brightness in high ambient light to ensure clear visibility of content.
Temperature sensor (built-in)	Displays startup and operating temperatures, and controls fan speed based on internal temperature to achieve cooling. Factory default settings are as follows (accuracy range ≤ 2°C): * Internal sensed temperature > 30°C, cooling fan starts * Internal sensed temperature < 30°C, cooling fan stops
I/O Interface	1*USB(touchscreen),1*HDMI,1*VGA,1*DC,1*OSD
Input Voltage	AC: 100-240 VAC,50/60 Hz; +12VDC +/- 5%
Power Supply	12V5A(Power Jack : 2.1mmx5.5mm) Options: Aviation Connector/Locking Connector (additional purchase required)
Power Consumption	Monitor + adapter - ON: 27.3W; SLEEP from PC: 1.8W
Temperature	Operating: -10°C-55°C; Storage: -20°C-70°C
Humidity	Operating: 10%-70%; Storage: 10%-80%
Mounting Options	75mm VESA mount on rear of unit; 2 hole mounting interface on all four sides; Flush mount with included brackets
MTBF	50,000 hours
Dimensions	346X270X68.45(mm)
Shipping Dimensions	450X340X135(mm)
Weight(net.)	3.8KG
Agency Approvals	FCC; CE; ROHS;
What's in the Box	1*USB cable, 1*HDMI cable, 1*Power adapter, 1*DC cable Side mounting bracket/screws (sold separately)

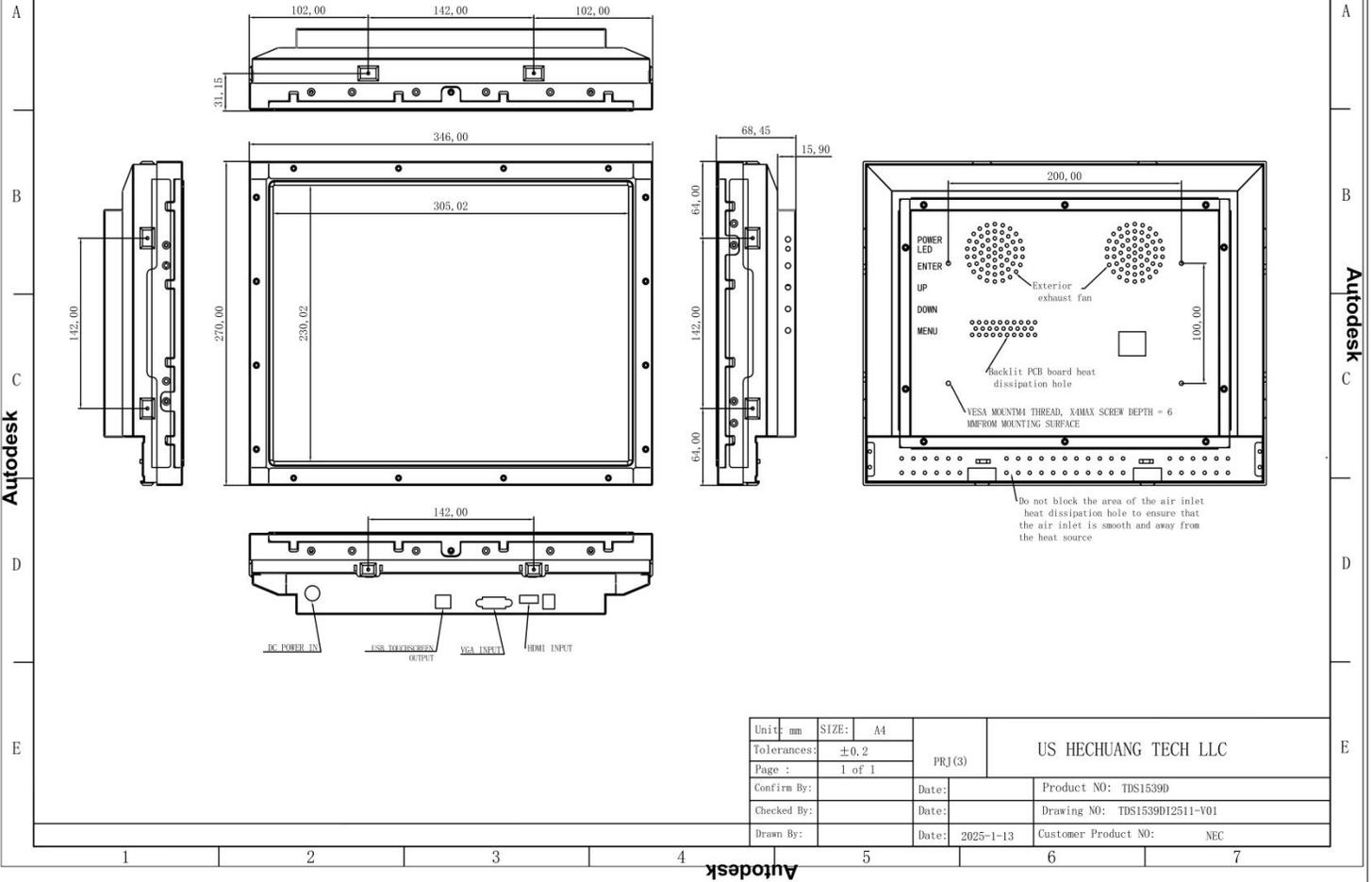*This product is an embedded device and requires integration with a cabinet enclosure for use.

*Please ensure that the cabinet has a proper cooling and airflow design for both the front and back of the touchscreen display to guarantee stable and long-term operation of the touchscreen display in outdoor environments.

*When installing outdoor equipment, try to avoid positioning the touch screen display at an angle where it will be exposed to direct sunlight.

TDS1539D-1500nits

Rev	Date	Content	Approved
V1			

102,00 142,00 102,00

31,15

346,00

305,02

270,00

230,02

142,00

68,45

15,90

64,00

142,00

64,00

200,00

POWER
LED
ENTER
UP
DOWN
MENU

100,00

Exterior
exhaust fan

Backlit PCB board heat
dissipation hole

VESA MOUNTM4 THREAD, X4MAX SCREW DEPTH = 6
MMFROM MOUNTING SURFACE

Do not block the area of the air inlet
heat dissipation hole to ensure that
the air inlet is smooth and away from
the heat source

142,00

DC POWER IN   USB TOUCHSCREEN   VGA INPUT   HDMI INPUT
                    OUTPUT

Unit: mm	SIZE:	A4		
Tolerances:	±0.2		PRJ(3)	US HECHUANG TECH LLC
Page :	1 of 1			
Confirm By:		Date:		Product NO: TDS1539D
Checked By:		Date:		Drawing NO: TDS1539DI2511-V01
Drawn By:		Date:	2025-1-13	Customer Product NO: NEC

TDS