

# TDS1039H 16:10 (1000nits)

## Outdoor Open-Frame Touchscreen Monitor



**Optically Bonded  
1000 NIT Display**



**Direct Sunlight  
Readability**



**Built-in  
Temp Control**

## Features

- + Zero-bezel, flat, open-frame structure, made of metal, surface rust prevention treatment
- + The front panel is waterproof and dustproof, making it suitable for outdoor applications

### + 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
- Anti-peeling: The screen printing area of the touch screen uses UV-resistant ink to prevent printing peeling
- Prevents screen blackout: Wide temperature range of -10°C to 50°C, 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, 1000 nits brightness, 50,000-hour backlight lifespan.
- + Full viewing angle, 1280x800@60Hz, supports both portrait and landscape display
- + 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   ◦ 700-1200nits   ◦ Polarizer   ◦ DP interface

## 1039H High Brightness Open-Frame Touchscreen Monitor

Diagonal	10.1" (16:10)
Color	Black/silver
Active Area	216.96(W)×135.6(H) mm
Native Resolution	1280X800@60Hz
Number of Colors	16.2 msec
Viewing Angle	Horizontal: 85°/170°; Vertical: 85°/170°
Contrast Ratio	800:1
Brightness	LCD: 1000nits; Touchscreen: 875nits
Response	25ms
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 1.0 m 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*RJ45 OSD
Input Voltage	AC: 100-240 VAC,50/60 Hz; +12VDC +/- 5%
Power Supply	12V5A(Power Jack : 2.1mmx5.5mm) Options: Aviation head/Anti-fall-off head (additional purchase required)
Power Consumption	Monitor + adapter - ON: 18 W; SLEEP from PC: 1.5 W ; OFF: 1 W
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	260.2X178.5X46(mm)
Shipping Dimensions	535X210X80 (mm)
Weight(net.)	2KG
Agency Approvals	FCC; CE; ROHS;
What's in the Box	1*USB cable, 1*HDMI cable, 1*Power adapter, 1*DC cable, 1*OSD Remote

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

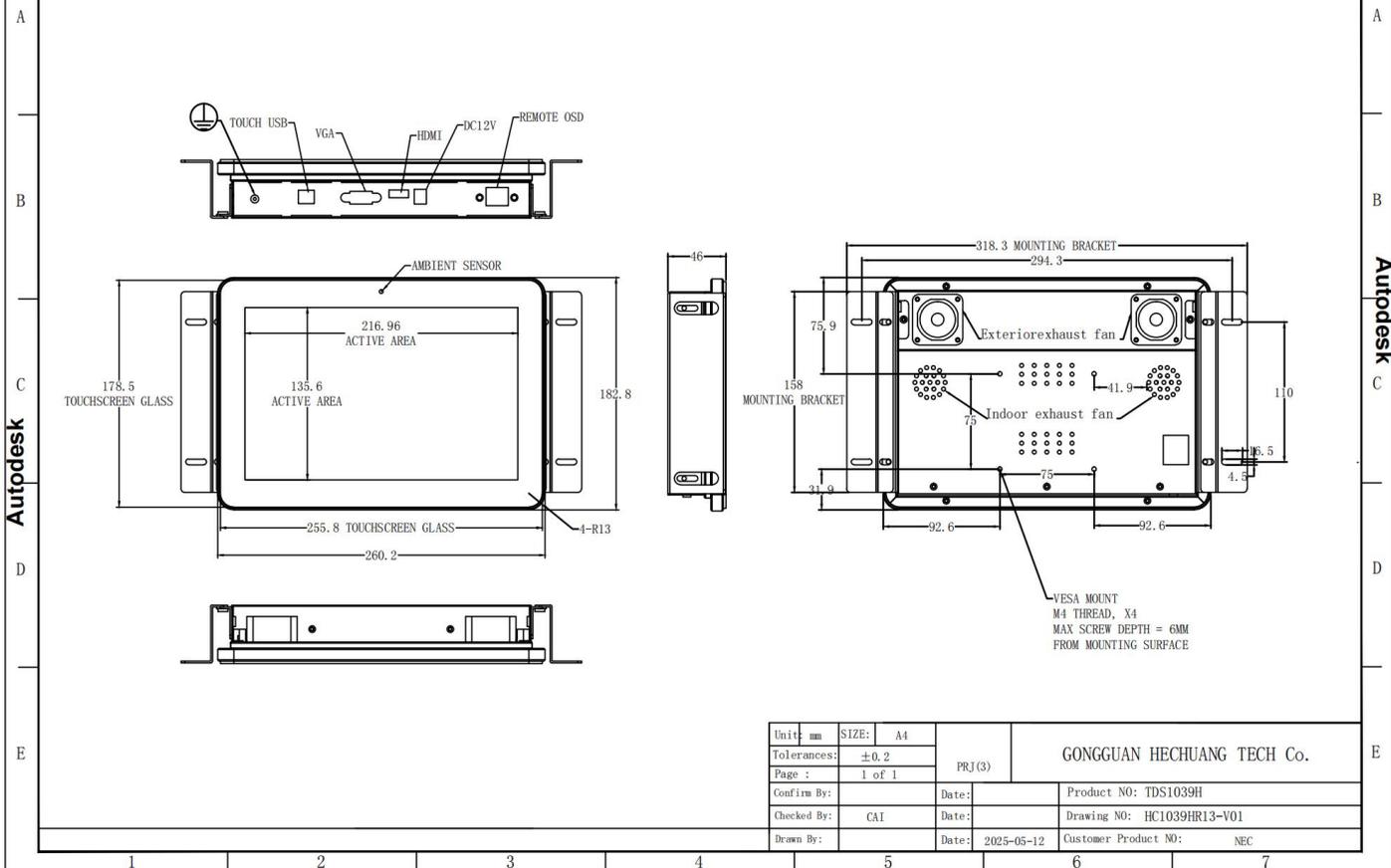
\*Please ensure that the cabinet has a proper cooling and airflow design for both the front and back of the touchscreen display to guarantee stable and long-term operation of the touchscreen display in outdoor environments.

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

# TDS1039H-1000nits

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Rev	Date	Content	Approved
V1			



Unit: mm	SIZE: A4	PRJ(3)	GONGGUAN HECHUANG TECH Co.
Tolerances: ±0.2	Page : 1 of 1		
Confirm By:	Date:	Product NO: TDS1039H	
Checked By: CAI	Date:	Drawing NO: HC1039HR13-V01	
Drawn By:	Date: 2025-05-12	Customer Product NO: NEC	

Dimensions are in millimeters

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