



*One of a kind*

**23.8" SURGICAL DISPLAY**

**MHSD-2400NRCT**

Built-In Recording & Storage  
With Multipoint Touchscreen.



**Applications:**

Endoscopy  
Laparoscopy  
Digital OR

Rev.01

Update Date

04<sup>th</sup> Jan 2025

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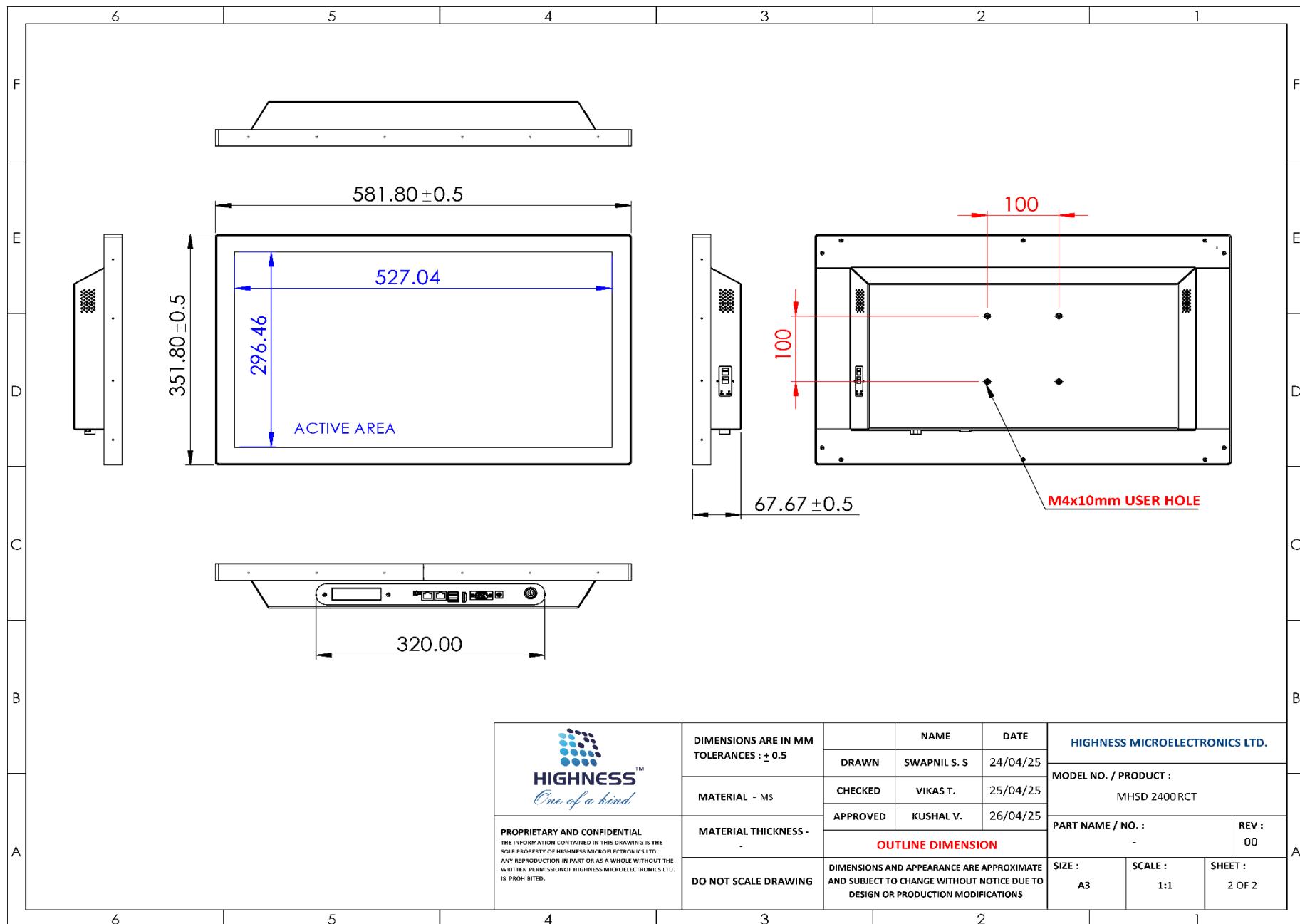
**HIGHNESS MICROELECTRONICS LTD.**

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## 1. Technical Specification

Screen Technology	TFT AM LCD
Active Screen Size (Diagonal)	23.8"
Active Screen Size (H x V)	527.04 x 296.46 mm
Aspect Ratio	16:9
Resolution	1920 x 1080
Pixel Pitch	0.2745 mm
Viewing Angle (H,V)	178°, 178°
Maximum Luminance	300 cd/m <sup>2</sup>
Contrast Ratio	1000:1
Color	16.7 Million
Response Time (Tr + Tf )	20 ms
Video Inputs Signals	HDMI
Interface Port	HDMI
Video Outputs Signals	HDMI / VGA
Recording System	In-Built, Fully Integrated with Monitor 1TB Storage (Expandable to 2TB) Simultaneous Recording & Video Display
	Other Features - Recording Start & Pause Button Screenshot Button USB for Copying Recorded Videos Ethernet for Connectivity with Hospital / Clinic Network
	Optional Features - Wi-Fi, Bluetooth (Optional) Output Signal for Connecting to Slave / Passive Monitor
Built in Operating System	Windows 10 (Pre-installed), Recording Software
Touch Screen Type	Multi-Point Projected Touch Screen
Power Requirements	DC 12V (5A)
Power Consumption	TBA
Operating Temperature	0 to +50°C
Storage Temperature	-20 to +60°C
Relative Humidity	10% to 90% (Non Condensing)
Backlight Life	30,000 hours
Housing Color	White
Housing Material	Metal
Weight	TBA
Mounting Standard	VESA (100 mm)

## 2. Mechanical Drawing



(Manufacturer reserves the sole right to change the specifications without prior notice)  
(Touch screen will reduce the original luminance of the LCD display)