



27" SURGICAL DISPLAY

**MHSD-2700RCT**

Built-In Recording & Storage  
With Multipoint Touchscreen



**Applications:**

Endoscopy  
Laparoscopy  
Digital OR

Release Date  
01<sup>ST</sup> Apr 2025

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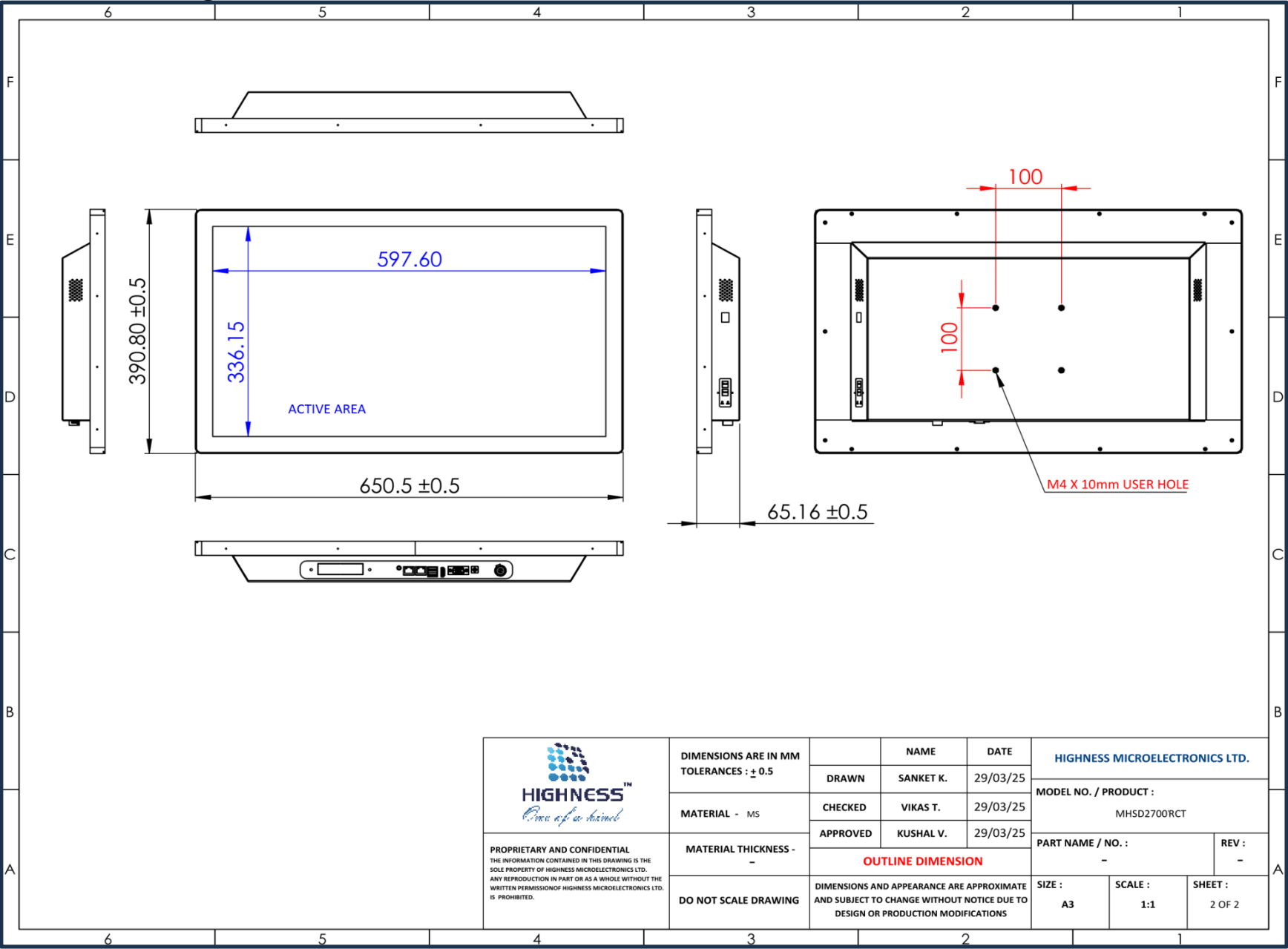
**HIGHNESS MICROELECTRONICS LTD.**

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## 1. Technical Specification

Screen Technology	TFT AM LCD
Active Screen Size (Diagonal)	27"
Active Screen Size (H x V)	597.6 x 336.15 mm
Aspect Ratio	16:9
Resolution	1920 x 1080
Pixel Pitch	311.25 x 311.25 $\mu$ m
Viewing Angle (H, V)	178°, 178°
Maximum Luminance	1000 cd/m <sup>2</sup>
Contrast Ratio	3000:1
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 24V (6.67A)
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)