



HIGHNESS™
One of a kind

42.5" SURGICAL DISPLAY
MHSD-4300RCT

Built-In Recording & Storage



Applications:

Endoscopy
Laparoscopy
Digital OR

Rev.01
Update Date
03rd May 2023

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS SOLELY OWNED BY 'HIGHNESS MICROELECTRONICS LTD'. ANY UNAUTHORISED COPY OR PRINTING OR PUBLISHING OF INFORMATION IN THIS DOCUMENT IN PART OR IN COMPLETE IS RESTRICTED.

1. Technical Specification

Screen Technology	TFT AM LCD
Active Screen Size (Diagonal)	42.5"
Active Screen Size (H x V)	940.896 x 529.245 mm
Aspect Ratio	16:9
Resolution	1920 x 1080
Pixel Pitch	163.35 x 490.05 µm
Viewing Angle (H, V)	178°, 178°
Maximum Luminance	700 cd/m ²
Contrast Ratio	1200:1
Color	16.7 Million
Response Time (Tr + Tf)	8 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	Wall Mount

2. Mechanical Drawing (TBA)

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