



HIGHNESSTM

One of a kind

55" SURGICAL DISPLAY

MHSD-5500RCT

BUILT-IN RECORDING & STORAGE



Applications:

Endoscopy

Laparoscopy

Digital OR

Rev.01

Updated Date

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HIGHNESS MICROELECTRONICS LTD.

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1. Technical Specification

| | |
|-------------------------------|--|
| Screen Technology | TFT AM LCD |
| Active Screen Size (Diagonal) | 55" |
| Active Screen Size (H x V) | 1209.6 x 680.4 mm |
| Aspect Ratio | 16:9 |
| Resolution | 1920 x 1080 |
| Pixel Pitch | 210 x 630 μ m |
| Viewing Angle (H, V) | 178°, 178° |
| Maximum Luminance | 500 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 |
| | Recording Features - Recording Start & Pause Button Screenshot Button USB for Copying Recorded Videos Ethernet for Connectivity with Hospital / Clinic Network |
| | Other Features - Wi-Fi, Bluetooth 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)