



HIGHNESSTM
One of a kind

18.5" MEDICAL GRADE WORKSTATION

- ◆ Full HD LCD
- ◆ Built-In System
- ◆ Multi Point Touch Screen



Applications:

- Laparoscopy
- GI Endoscopy
- Bronchoscopy
- Surgical Microscopy
- Arthroscopy
- Neuro-Spine Surgery
- Digital OR
- PACS / HIS

MHSD-1800WST



TECHNICAL SPECIFICATIONS

Model		MHSD-1800WST
Active Screen Size (Diagonal)		18.5" diagonal
Active Screen Size (H x V)		408.96 x 230.04 mm
Aspect Ratio		16:9
Resolution		1920 x 1080
Pixel Pitch (H x V)		213 x 213 μm
Viewing Angle (H, V)		178°, 178°
Maximum Luminance		400 cd/m²
Contrast Ratio		1000:1
Color		16.7 Million
Response Time (Tr + Tf)		20 ms
Operating Temperature		-10° to +60° C
Storage Temperature		-20° to +60° C
Output Signals		HDMI / VGA
In-Built System		Intel® Core™ i7 CPU@ 1.70GHz ~ 2.20GHz RAM 8GB (Expandable to 16GB) Storage 256GB SSD (Expandable to 1TB)
I/O Port	USB	USB2.0, USB3.0
	COM Port	RS232 / RS422 / RS485 (Optional)
	GPIO	Connector 10 Pin (Optional)
	Network	10 / 100 / 1000M Ethernet Controller Other Features : Wi-Fi, Bluetooth (Optional) Output Signal for Connecting to Slave / Passive Monitor
Surface		Toughened Glass with IP 65 Grade (Optional)
Touch Screen Type		10 Point Multipoint Touch Capacitive (Optional)
Operating System		Windows 10 (Pre-Installed)
Power Input		DC 12V (5A)
Power Consumption		60W
Backlight Type		LED
Backlight Life		50,000 hours
Enclosure		Mild Steel / Aluminum
Mounting		VESA (75 mm)
Applications		Laparoscopy, GI Endoscopy, Bronchoscopy, Surgical Microscopy, Arthroscopy, Neuro-Spine Surgery, Digital OR, PACS / HIS



HIGHNESS MICROELECTRONICS LTD.

1C3, Gundecha Onclave, Sakinaka, Mumbai - 400 072. INDIA.
 R-364, TTC Industrial Area, Rabale, Navi Mumbai - 400 701. INDIA.
 +91 22 2850 7123 | +91 22 4026 4263
 sales@highnessmicro.com | www.highnessmicro.com



VOL M-L 4.0, DEC 2024

An ISO 9001:2015 Company. Copyright @ 2024 Highness Microelectronics Ltd. All Rights Reserved.
 All images are for representation purpose only. All images and content are copyrighted & copy, reprint or reproduction without written permission prohibited.
 (Manufacturer reserves the sole right to change the specifications without prior notice.) (Touch screen will reduce the original luminance of the LCD display.)