



722M/ 724M

Battery Powered Medical Grade Monitor

Fully Battery Powered Capacitive Touch Screen for Point-of-Care Applications

The DT Research 722M/ 724M Medical Grade Monitor integrates a 22" or 24" screen and hot-swappable batteries in a slim, mountable and antimicrobial package to facilitate the system integration for healthcare applications. With built-in LED reading light, Wi-Fi antennas as well as optional data-capture modules, this Medical Grade Monitor supports to pair with personal computers, embedded controllers, or thin clients for health professionals to manage information.



Features

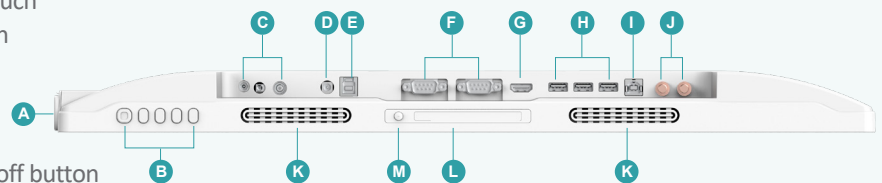
- High contrast 22" or 24" capacitive touch screen
- Full-HD (1920 x 1080) resolution
- Integrated hot-swappable batteries (optional, up to 3 batteries)
- ANSI/AAMI ES60601-1 certified with antimicrobial enclosure
- Power supply outputs - 12V, 15V and 19V
- Built-in Wi-Fi antennas, LED reading light, and speakers
- VESA-mountable for flexibility in mounting and deployment

Major Options

- Front camera
- NFC/RFID reader

- A** USB 2.0
- B** Power and control buttons
- C** DC-outputs
- D** DC-input
- E** USB Type-B input
- F** COM ports (optional)
- G** HDMI input

- H** USB 3.0
- I** USB Type-B for touch screen connection
- J** Wi-Fi antennas
- K** Speakers
- L** Reading light
- M** Reading light on/off button



Specifications



Model	722M	724M
System		
Display	21.5" capacitive touch screen	23.8" capacitive touch screen
Display Resolution	1920 x 1080	1920 x 1080
Viewing Angle	horizontal 89 degree, vertical 89 degree	horizontal 89 degree, vertical 89 degree
Number of Color	16.7M	16.7M
Brightness	250 cd/m2	250 cd/m2
Response Time	5 ms	16 ms
Control Button	1 screen on/off button, 1 menu button, 1 auto/exit button, 2 up/down buttons, and 1 reading light on/off button	
Reading Light	LED reading light x 1	LED reading light x 1
Speaker	Built-in speakers	Built-in speakers
Microphone	Built-in microphones	Built-in microphones

I/O Ports

USB Port	USB 2.0 x 2 and USB 3.0 x 3	USB 2.0 x 2 and USB 3.0 x 3
USB Port for Touch Screen Connection	USB Type-B (2.0) x 1	USB Type-B (2.0) x 1
USB Input Port	USB Type-B (3.0) x 1	USB Type-B (3.0) x 1
HDMI	1	1
Antenna	Wi-Fi passthrough x 2	Wi-Fi passthrough x 2
DC-in	1	1
DC-out	12V x 1, 15V x 1, 19V x 1	12V x 1, 15V x 1, 19V x 1
COM Port	2	2

Mechanical and Environmental

Fan/Fanless	Fanless	Fanless
AC/DC Adapter	Input: 100 – 240V AC; Output: 19V DC, 6.31A	Input: 100 – 240V AC; Output: 19V DC, 6.31A
Battery Pack	Li-ion battery; 90Wh, 8250mAh x 3 (optional)	Li-ion battery; 90Wh, 8250mAh x 3 (optional)
Enclosure	ABS + PC plastics, anti-microbial enclosure	ABS + PC plastics, anti-microbial enclosure
Dimensions (H x W x D)	13.6 x 20.4 x 1.6 in/ 345.9 x 516.9 x 40.4mm	14.6 x 22.2 x 1.62 in/ 370.9 x 564.3 x 41.2 mm
Weight	TBD	TBD
VESA-compliant Mounting	100mm x 100mm VESA standard	100mm x 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2	
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, IEC 62368-1, RCM, CCC	
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C	
Humidity	0% – 90% non-condensing	

Major Options

Camera	5 megapixel front camera	5 megapixel front camera
NFC/RFID reader	Dual frequency, reads both 125KHz and 13.56MHz credentials	Dual frequency, reads both 125KHz and 13.56MHz credentials

* Specifications subject to change without notice.

Accessories

• Desktop Stand



• Battery



• Battery Gang Charger



• 3-Slot Battery Holster

Supplies powers to the system and peripherals (e.g., Zebra mobile printer and Welch Allyn vital sign monitor).



• Medical Grade Adapter

