722M/724M
Battery Powered Medical Grade Monitor

Fully Battery Powered Capacitive Touchscreen for Point-of-Care Applications

The DT Research 722M/724M Medical Grade Monitor integrates a 22" or 24" display 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 can be paired with personal computers, embedded controllers, or thin clients for health professionals to manage information.
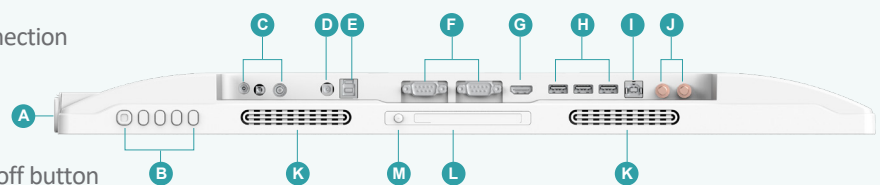
Features

- High contrast 22" or 24" touchscreen
- 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 compatibility for easy installation 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
G HDMI input
H USB 3.0
I USB Type-B for touchscreen connection
J Wi-Fi antennas
K Speakers
L Reading light
M Reading light on/off button

Specifications

Model	722M	724M

System

Display	21.5" touchscreen	23.8" touchscreen
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 and Microphone	Built-In Microphones and Speakers	Built-In Microphones and Speakers

I/O Ports

USB Port	2 x USB 2.0 and 3 x USB 3.0	2 x USB 2.0 and 3 x USB 3.0
USB Port for Touchscreen Connection	1 x USB Type-B (2.0)	1 x USB Type-B (2.0)
USB Input Port	1 x USB Type-B (3.0)	1 x USB Type-B (3.0)
HDMI	1	1
Antenna	2 x Wi-Fi passthrough	2 x Wi-Fi passthrough
DC-in	1	1
DC-out	1 x 12V, 1 x 15V, 1 x 19V	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 to240V AC; Output: 19V DC, 6.31A	Input: 100 to 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 × 100mm VESA standard	100mm × 100mm VESA standard
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 to 40°C; Storage: -20°C to 60°C	
Humidity	0% to 90% non-condensing	

Major Options

Camera	5 MP Front Camera	5 MP 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

Product Configurator