# 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.
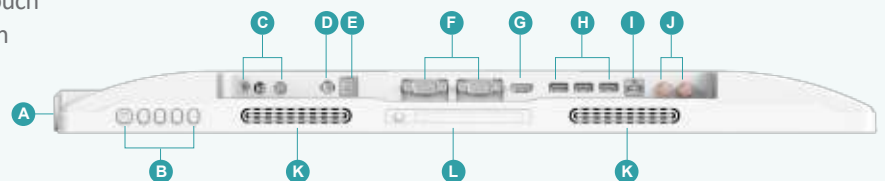


## Features

- 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 19.5V
- Built-in Wi-Fi antennas, LED reading light, and speakers
- VESA-mountable for flexibility in mounting and deployment

## Major Option

- Front camera
- NFC/RFID reader
- COM ports



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

# Specifications

| Model | 722M | 724M |
|---|---|---|
| **System** | | |
| Display | 21.5" TFT-LCD | 23.8" TFT-LCD |
| 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 and 2 up/down buttons | 1 screen on/off button, 1 menu button, 1 auto/exit button and 2 up/down buttons |
| 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 (2.0) x 1 | USB Type-B (2.0) 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, 19.5V x 1 | 12V x 1, 15V x 1, 19.5V x 1 |
| COM Port (optional) | 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 | DR202 Li-ion battery; 90Wh, 8250mAh x 3 (optional) | DR202 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 | FCC/IC, CE/CB, RCM, CCC, ANSI/AAMI ES60601-1 | |
| Temperature | Operation: 0°C – 40°C; Storage: -20°C – 60°C | |
| Humidity | 0% – 90% non-condensing | |
| **Major Option** | | |
| 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

· DR202 Battery

· DR202 Battery Gang Charger

DR202 Battery Holsters

## DT Research
www.dtresearch.com

For more information call Elliott Data Systems, Inc.
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**Product Configurator**

www.dtresearch.com/productconfig