

# DHI-LM27-U200PM

Smart Monitor



### Series Overview

LM-Smart Series is engineered with a fully laminated capacitive touch screen that offers seamless multi-touch. It is also powered by a high-performance chip that ensures the smooth operation of applications. Its integrated large capacity battery ensures the monitor has an extended battery life, and allows for hassle-free portability without the need for tangled cables. Highly flexible, the monitor can be effortlessly rotated to multiple angles, making it convenient for a wide range of uses such as for home entertainment, exhibition halls, large malls, and supermarkets.

### Technical Specification

#### Built-in System

|                  |                              |
|------------------|------------------------------|
| Operating System | Android 14                   |
| CPU              | Dual-Core A73 + Six-Core A53 |
| CPU Frequency    | 1.8 GHz                      |
| GPU              | Mali-G52                     |
| RAM              | 6 GB                         |
| ROM              | 128 GB                       |

#### Function

|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Wi-Fi Hotspot | Dual-band 2.4 G/5 G; Supports enabling hotspot and Wi-Fi at the same time |
|---------------|---------------------------------------------------------------------------|

#### LCD Panel

|              |                              |
|--------------|------------------------------|
| Screen Size  | 27 inch                      |
| Backlight    | DLED                         |
| Aspect Ratio | 16:9                         |
| Brightness   | 350 cd/m <sup>2</sup> (typ.) |

- Outstanding home audio & visual performance.
- Rich interaction methods, Full lamination touch screen, 8MP camera, microphones + speakers.
- Wide color gamut, 99% sRGB, 85% NTSC.
- Google Market, With Google EDLA License.

|                       |                     |
|-----------------------|---------------------|
| Resolution            | 1920 (H) × 1080 (V) |
| Viewing Angle         | 178° (H)/178° (V)   |
| Lifespan              | 30000 hrs           |
| Display Color         | 99% sRGB            |
| Refresh Rate          | 60 Hz               |
| Static Contrast Ratio | 1300:1              |
| Response Time         | ≤14 ms              |

#### Camera

|                 |                                   |
|-----------------|-----------------------------------|
| Camera          | Android: Photo: 8 MP; Video: 2 MP |
| Distortion      | <1%                               |
| Max. Resolution | 3840 (H) × 2160 (V)               |
| Field of View   | D: 80°, H: 67.8°, V: 54.2°        |

#### Device Ports

|                                    |                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------|
| Wi-Fi                              | Yes                                                                                 |
| Wi-Fi Standard                     | 802.11a/b/g/n/ac                                                                    |
| Wi-Fi Frequency Range              | 2412-2484 MHz, 4900-5950 MHz                                                        |
| MAX Power Transmission (Wi-Fi)     | 19 dBm                                                                              |
| Bluetooth                          | Yes                                                                                 |
| Bluetooth Standard                 | BT5.0                                                                               |
| Bluetooth Frequency Range          | 2402-2480 MHz                                                                       |
| MAX Power Transmission (Bluetooth) | 5.5 dBm                                                                             |
| Video Input                        | 1 × HDMI 1.4 ( 1080p@60Hz )                                                         |
| Others                             | 1 × DC IN                                                                           |
| Microphone                         | 2 arrays                                                                            |
| Type-C Port                        | 1 × Type-C IN ( DP IN ( 4K@60 fps ) +USB3.0 HOST+USB 2.0 Device ( touch ) +PD 10W ) |

#### Touchscreen

|                  |            |
|------------------|------------|
| Response Time    | ≤14 ms     |
| Touch Technology | Capacitive |
| Touch Points     | 10 points  |

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Valid Touch                         | ±1 mm (0.04") (over 90% touch area) |
| Writing Mode                        | Finger                              |
| Surface Hardness                    | 7 H                                 |
| Number of Multi-user Writing Points | 10 points                           |

Speaker

|                    |                            |
|--------------------|----------------------------|
| Number of Cavities | 4                          |
| Frequency          | 100 Hz–20 kHz              |
| Power              | 2 × 15 W                   |
| Built-in Speaker   | 2 × woofers + 2 × tweeters |

Microphone

|                             |                          |
|-----------------------------|--------------------------|
| Pick-up Distance            | Pickup ≤ 5 m (16.40 ft ) |
| Number of Microphones       | 2 arrays                 |
| AGC                         | Yes                      |
| Echo Cancellation           | Yes                      |
| Polar Pattern               | Omnidirectional          |
| Intelligent Noise Filtering | YES                      |

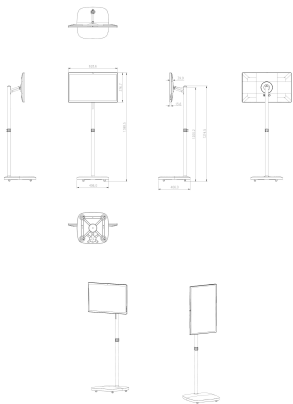
General

|                           |                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply              | 19 VDC                                                                                                                                                               |
| Power Consumption         | 56 W (basic), 70 W (max)                                                                                                                                             |
| Operating Temperature     | 0 °C to +40 °C (+32 °F to +104 °F)                                                                                                                                   |
| Storage Temperature       | −20 °C to +60 °C (−4 °F to +140 °F)                                                                                                                                  |
| Operating Humidity        | 20%–70% (RH), non-condensing                                                                                                                                         |
| Storage Humidity          | 10%–80% (RH), non-condensing                                                                                                                                         |
| Product Material          | ABS-HB                                                                                                                                                               |
| Protective Glass          | Anti-fingerprint toughen glass                                                                                                                                       |
| Casing Color (Frame/Rear) | Frame is white, and Rear is gray                                                                                                                                     |
| Product Dimensions        | With stand: 628.6 mm × 406 mm × 1388.5 mm (24.75" × 15.98" × 54.67") (L × W × H)<br>Outwith stand: 628.6 mm × 40 mm × 376.7 mm (24.75" × 1.57" × 14.83") (L × W × H) |
| Frame Size                | Top and bottom border: 18 mm (0.71"), left and right borders: 12 mm (0.47")                                                                                          |
| Packaging Dimensions      | 870 mm × 637 mm × 220 mm (34.25" × 25.08" × 8.66") (L × W × H)                                                                                                       |
| Net Weight                | 16.3 kg (35.94 lb)                                                                                                                                                   |
| Gross Weight              | 20.1 kg (44.31 lb)                                                                                                                                                   |
| Holes Distance            | 75 mm × 75 mm (2.95" × 2.95")                                                                                                                                        |
| Installation              | Mobile bracket                                                                                                                                                       |
| Standby Power Consumption | ≤0.5 W                                                                                                                                                               |
| Packing List              | Bracket, Power adapter and power cord, quick start guide, legal and regulatory information etc.                                                                      |

Ordering Information

| Type          | Model           | Description   |
|---------------|-----------------|---------------|
| Smart Monitor | DHI-LM27-U200PM | Smart Monitor |

Dimensions (mm[inch])



Panels

