

DHI-MPT320

Mobile Portable Terminal



The Mobile Portable Terminal MPT320 is based on high-performance mobile phone chip and ergonomic design, and integrates industry application and AI video technology. It captures video, audio and pictures during the event, preserves the evidence and transmits to platform via 4G or Wi-Fi network, allows video preview, group talk, alarm, etc. It is applicable for scenarios like police law enforcement, security and patrol, process control, remote supervision. Therefore, the product is ideal for public security, energy, corporation, transportation, justice, and other industries.

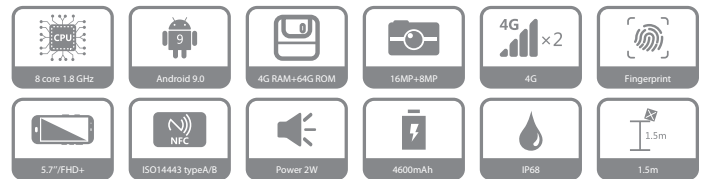
System Overview

Based on three-proofing (water, dust and drop proof) mobile phone design, the Mobile Portable Terminal MPT320 can be used with external camera, charging and transmission base, leather case, battery, and other accessories. The product has robust and durable appearance, and runs stably and reliably. It supports mainstream video streaming protocols, and video metadata algorithms such as face recognition and license plate recognition can be extended to expand intelligent application scenarios.

Scene

The product is applicable for public security, justice, safety supervision, security, energy, insurance, and other industries and departments that need mobile command and dispatch, communication, and audio and video recording.

- Android 9.0
- 8-core 1.8 GHz
- 4 GB RAM + 64 GB ROM
- Main camera: 16MP; Front camera: 8MP
- H.265 and H.264 video compression
- Supports TF card up to 256 GB
- Fingerprint recognition
- 2G/3G/4G, Wi-Fi, Bluetooth, NFC, GPS/GLONASS/BeiDou Positioning
- 2W speaker
- 4600mAh battery, 4.35V
- IP68, withstands 1.5 m drop test
- -20°C to +55°C (-4°F to +131°F)



Functions

Shortcut Functions

One touch recording, capturing, alarm and PTT (Group Talk).

Platform Protocols

Private protocol, RTSP, ONVIF.

Network Adaptiveness

Reduces streams or resolution in case of poor network, and recovers automatically after the network becomes better.

Display Adaptiveness

The display of video stream and OSD acquired by the platform is adaptive to the holding angle of the device.

OSD Information

The OSD information includes time, user, longitude and latitude, and geological location. Two pieces of OSD information can be customized.

AI Functions

License plate and face recognition can be customized.

Group Communication

Group talk, one-to-one talk (used with the management platform).

Technical Specification

System

| | |
|------------------|----------------|
| Operating System | Android 9.0 |
| Main Processor | 8-core 1.8 GHz |

Storage

| | |
|-----------------|---|
| Internal Memory | 4 GB RAM + 64 GB ROM |
| TF Card | Supports one TF card extension (up to 256 GB) |

Camera

| | |
|--------------------|---|
| Pixel | Main camera: 16MP Front camera: 8MP |
| Image Sensor | Main camera: 1/2.8" Front camera: 1/4" |
| Max. Aperture | Main camera: F1.6 Front camera: F1.8 |
| Focal Length | Main camera: 3.93 mm Front camera: 2.61 mm |
| Focus Control | Main camera: Auto/manual |
| Field of View | Main camera: H: 67°; D: 78° Front camera: H: 70°; D: 85° |
| HDR | Supported by main camera |
| PDAF | Supported by main camera |
| LED Flashing Light | 1 |

LCD

| | |
|------------------|--|
| Screen Size | 5.7" (TFT; FHD+) |
| Resolution | 2160 × 1080 |
| Brightness | 400cd/m ² |
| Contrast | 1400:1 |
| Touchscreen Type | Highly sensitive 5-point capacitive touch; operable with gloves or water on the screen |

Others

| | |
|-----------------|--|
| Speaker | 1 speaker: 2W |
| Button | Volume +, volume -, power, Fn2, Fn1, PTT, SOS |
| Indicator Light | Tri-color light used as status and charging indicator |
| Sensor | Photosensitive/proximity/compass/gyroscope/Gsensor/temperature |

Video/Audio

| | |
|-----------------------------|--|
| Video Resolution/Frame Rate | Main camera: 720P@30 fps, 720P@60 fps, 1080P@30 fps Front camera: 720P@30 fps, 1080P@30 fps |
| Video Compression | H.264, H.265 |
| Video Format | DAV, MP4 |
| Picture Format | JPEG |
| Audio Compression | AAC, G.711A |
| Audio Aampling Rate | 8 KHz, 16 Bit |
| Audio Format | DAV, AAC |

Wireless

| | |
|------------------|---|
| Wi-Fi | IEEE802.11b/g/n/ac Frequency: 2.4 GHz; 5 GHz |
| Cellular Network | GSM: B2/B3/B5/B8 CDMA: B0 WCDMA: B1/B2/B4/B5/B8 TD-SCDMA: B34/B39 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B28 TDD-LTE: B34/B38/B39/B40/B41 |
| Bluetooth | BT5.0 |
| NFC | 13.56 MHz; Type A/B protocol |

Positioning

| | |
|-------------|--|
| Positioning | GPS/BeiDou/GLONASS Hybrid positioning accuracy is within 5 meters |
|-------------|--|

Battery

| | |
|------------------|--------------------------|
| Battery Capacity | 4600mAh (replaceable) |
| Charging | DC 5V 2A |
| Charging Time | < 4h |
| Recording Time | > 8 hours (1080P@30 fps) |
| Charging Port | Micro USB |

Slot and Port

| | |
|-------------------------|--|
| SIM Card Slot | 2: Nano SIM card; Dual SIM Dual Standby |
| TF Card Slot | 1 |
| USB Port | 1 Micro USB 2.0 |
| Audio Output | 1: 3.5 mm port (CITIA) |
| External Camera | 1 customizable physical port: Type-C |
| Gold Finger on the Back | Connects to charging and transmission base for charging and data communication |

Weight and Size

| | |
|----------------------|--|
| Gross Weight | 307 g (including battery 85 g) |
| Product Dimensions | 16.8 cm × 7.9 cm × 1.7 cm (6.61" × 3.11" × 0.67") |
| Packaging Dimensions | 19.5 cm × 11.1 cm × 5.6 cm (7.68" × 4.37" × 2.20") |

Environment

| | |
|-----------------------|---------------------------------------|
| Protection Grade | IP68; withstands 1.5 meters drop test |
| Operating Temperature | -20°C to +55°C (-4°F to +131°F) |
| Operating Humidity | 5% to 96% |

Accessory

| | |
|----------|---|
| Included | Battery, Micro USB cable, 5V 2A power adapter |
| Optional | External infrared camera, external helmet camera, charging and transmission base, battery, leather case |

Certification

| | |
|------------|---------|
| CE and FCC | Support |
|------------|---------|

Ordering Information

| Type | Model | Description |
|-------------|--------------|--------------------------------|
| MPT | DHI-MPT320 | Mobile Portable Terminal |
| Accessories | DHI-MEC-W320 | External Helmet Camera |
| | DHI-MEC-S320 | External Shoulder Camera |
| | DHI-MAE-D200 | Charging and Transmission Base |

Dimensions (mm[inch])

