

**iDS-MCD202-E****3rd Generation Deep Learning 4G ANPR & Face Portable Speed**

- 1920 × 1080 resolution.
- Min. illumination. Color: 0.05 Lux @ (F1.6, AGC ON).
- Switch IR cut filter automatically.
- Supports vehicle detection and arming/face arming/intrusion detection/safety helmet detection.
- Supports face recognition, can store 30W face list (TF card required).
- Embedded screen for status display, e.g. battery, GPS, 3G/4G, record status, storage capacity, Bluetooth, platform access, Wi-Fi, and smart algorithm mode.
- Supports 3D-DNR.
- Built-in dual TF card slots, up to 512 GB for each TF card.
- Replaceable battery for sustainable work. Pluggable battery for continuous work for 10 hours.
- Models with 5G support single 5G module (antenna built in) , an additional 4G module can be expanded.
- Support MIC, speaker, optional LINE IN/LINE OUT.
- Supports custom voice import and can be associated with intelligent analysis alarms.
- Quick installation with the magnetic base and the tripod bracket.

## ▪ Specification

| Camera                    |                                                                                                                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Digital Shutter           | 1/1 s to 1/30,000 s                                                                                                                                                                                                |
| Zoom                      | 30× optical, 16× digital                                                                                                                                                                                           |
| Min. Illumination         | Color: 0.05 Lux @ (F1.6, AGC ON) Black: 0.01 Lux @ (F1.6, AGC ON)                                                                                                                                                  |
| Day & Night               | Switch IR cut filter automatically                                                                                                                                                                                 |
| Image Sensor              | 1/2.8" progressive scan CMOS                                                                                                                                                                                       |
| Max. Recording Resolution | 1920 × 1080                                                                                                                                                                                                        |
| Lens                      |                                                                                                                                                                                                                    |
| FOV                       | Horizontal FOV: 57.3 to 2.8°, vertical FOV: 33.0 to 1.5°                                                                                                                                                           |
| Focal Length              | 4.5 to 135 mm vari-focal lens                                                                                                                                                                                      |
| Aperture                  | F1.6 to F4.4                                                                                                                                                                                                       |
| Video                     |                                                                                                                                                                                                                    |
| Main Stream               | 50 HZ: 25 fps (1920 × 1080), 60 HZ: 30 fps (1920 × 1080)                                                                                                                                                           |
| Sub-Stream                | 50 HZ: 25 fps (1280 × 720), 60 HZ: 30 fps (1280 × 720)                                                                                                                                                             |
| Video Compression         | H.264, H.265, MJPEG                                                                                                                                                                                                |
| Video Format              | PS                                                                                                                                                                                                                 |
| Screen                    |                                                                                                                                                                                                                    |
| Touchscreen               | Not supported                                                                                                                                                                                                      |
| Screen Type               | LCD                                                                                                                                                                                                                |
| Screen Size               | 0.96"                                                                                                                                                                                                              |
| Display Resolution        | 128 × 64                                                                                                                                                                                                           |
| Storage                   |                                                                                                                                                                                                                    |
| ROM                       | Dual TF card slots, up to 512 GB for each TF card                                                                                                                                                                  |
| RAM                       | 2 GB                                                                                                                                                                                                               |
| IR                        |                                                                                                                                                                                                                    |
| IR Range                  | Up to 100 m                                                                                                                                                                                                        |
| IR Wavelength             | 940 nm                                                                                                                                                                                                             |
| Wireless Network          |                                                                                                                                                                                                                    |
| Positioning Mode          | GPS                                                                                                                                                                                                                |
| Wi-Fi Protocol            | 802.11 a/b/g/n/ac                                                                                                                                                                                                  |
| Bluetooth                 | BT4.0                                                                                                                                                                                                              |
| Wi-Fi Frequency Band      | 2.412 to 2.472 GHz, 5.15 to 5.25 GHz, 5.725 to 5.875 GHz                                                                                                                                                           |
| Cellular Network          | LTE FDD B1/3/5/7/8/20/28; LTE TDD B38/40/41; WCDMA B1/5/8; GSM/GPRS/EDGE 850/900/1800 MHz                                                                                                                          |
| Network                   |                                                                                                                                                                                                                    |
| API                       | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP                                                                                                                                                          |
| Protocol                  | HTTPS, RTSP, NTP, FTP                                                                                                                                                                                              |
| Interface                 |                                                                                                                                                                                                                    |
| Aviation Plug             | 10-core Aviation Plug, supporting RS-232, RJ-45 and power input, 9-core Aviation Plug, supporting RS-485, LINE IN/LINE OUT, 5V output, Alarm I/O, 10-core aviation plug, supporting RS-232, RJ-45, and power input |
| Ethernet                  | 1 RJ-45 Ethernet port                                                                                                                                                                                              |
| Audio                     | 2 built-in mic(s), 1 speaker                                                                                                                                                                                       |
| Indicator                 | 1 indicator(s) for charging/working/recording/exception                                                                                                                                                            |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Interface   | 10-core Aviation Plug, supporting RS-232, RJ-45 and power input 9-core Aviation Plug, supporting RS-485, LINE IN/LINE OUT, 5V output, Alarm I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Button              | Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SIM Card            | 1 Micro-SIM card                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Event</b>        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Smart Event         | Vehicle arming/Face detection/Intrusion detection/Safety helmet detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>PTZ</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preset              | 256 arming locations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pan                 | 360° endless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tilt                | -20° to 90° (auto-flip)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>General</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Operating System    | Linux                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Speaker             | 1 built-in speaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Condition   | -30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating Condition | -20 °C to 60 °C (-4 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions          | 159.7 mm × 165.3 mm × 261.1 mm (6.3" × 6.5" × 10.3")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight              | 3.7 kg (without mounting) (8.16 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Packing List        | 1 × AC power cable, 1 × adapter, 1 × Lithium-ion battery, 1 × safety rope, 1 × screwdriver, 1 × 10-core main aviation cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power               | 12 VDC, 10W when 4G, Wi-Fi, Bluetooth and PTZ rotating are off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Installation Method | Wall-mounted, Tripod-mounted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Client              | Hik-Connect, HikCentral Pro, HikCentral Master                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Battery</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Capacity            | 13400 mAh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Battery Type        | Lithium-ion battery, dismountable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Charging Time       | ≤ 4 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Battery Life        | Up to 10 h in 1080P resolution <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Approval</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protection          | IP66: IEC 60529-2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Environment         | CE-RoHS: 2011/65/EU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| EMC                 | CE-EMC: EN 55032: 2015, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014, EN 61000-3-2: 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RF                  | CE-RED: EN 301 489-1 V2.2.3: 2019; EN 301 489-3 V2.2.2: 2019; EN 301 489-17 V3.2.4: 2020; EN 301 489-19 V2.2.1: 2022; EN 301 489-52 V1.2.1: 2021; EN 55032: 2015/A11: 2020; EN 55035: 2017/A11: 2020; EN 50130-4: 2011/A1: 2014; EN IEC 61000-3-2: 2019/A1: 2021; EN 61000-3-3: 2013/A2: 2021; EN 300 328 V2.2.2: 2019; EN 301 893 V2.1.1.1: 2017; EN 301 440 V2.1.1: 2017; EN 301 908-1 V15.1.1: 2021; EN 301 908-2 V13.1.1: 2020; EN 301 908-13 V13.2.1: 2022; EN 303 413 V1.2.1: 2021; EN 62479: 2010; EN 50663: 2017; EN 50385: 2017; EN IEC 62311: 2020; EN 62311: 2008; EN 62368-1: 2014/A11: 2017 |
| Safety              | CB: IEC 62368-1: 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Warranty</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Warranty            | 2 years for the device, 1 year for the battery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

<sup>\*1:</sup> This is a basic estimation of battery working life only when recording is on. Additional power consumption should be considered when IR, GPS, and/or network connection is on.

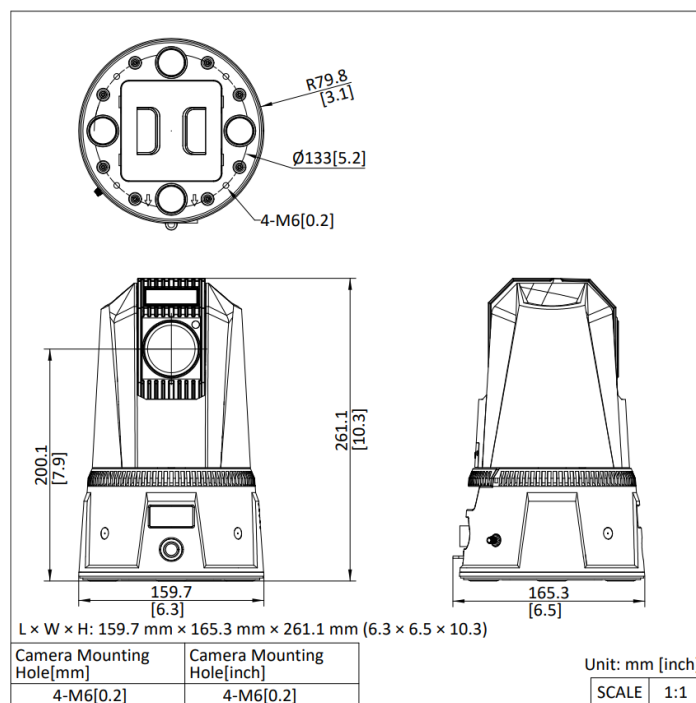
## ▪ Available Model

iDS-MCD202-E/30X/32G

iDS-MCD202-E/30X/I/GLE

iDS-MCD202-ES/30X/I/GLE

## ▪ Dimension



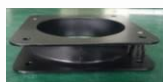
## ▪ Accessory

### ▪ Included

| DS-MH1691I-H<br>Portable PTZ Dome Tripod                                            | DS-MH1490<br>Portable PTZ Dome Battery Charger                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |

### ▪ Optional

#### DS-MH1790 Shock Absorber Kit



# See Far, Go Further



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