



### FEATURES

- 5MP, 1/3" CMOS image sensor, Starlight low illuminance, high image definition
- Relatime 2688 × 1520 @30 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 50 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, audio abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/POE power supply
- IP67 protection
- Ai



Accessories:

**DT-MFA122**  
wall mount bracket



Accessories:

**DT-FA135-4**  
junction box



Accessories:

**DT-MFA152**  
pole mount

## TECHNICAL SPECIFICATIONS

|                             |                                   |   |  |  |
|-----------------------------|-----------------------------------|---|--|--|
| Camera                      | <b>Image Sensor</b>               | 1/3" Megapixel progressive CMOS   |  |  |
|                             | <b>Max. Resolution</b>            | 2688 (H) × 1520 (V)   |  |  |
|                             | <b>ROM</b>                        | 128 MB  |  |  |
|                             | <b>RAM</b>                        | 512 MB  |  |  |
|                             | <b>Scanning System</b>            | Progressive   |  |  |
|                             | <b>Electronic Shutter Speed</b>   | Auto/Manual 1/3 s–1/100000 s  |  |  |
|                             | <b>Min. Illumination</b>          | 0.005 Lux@F1.5 (Color, 30IRE)<br>0.0005 Lux@F1.5 (B/W, 30IRE)<br>0 Lux (Illuminator on)                         |  |  |
|                             | <b>S/N Ratio</b>                  | > 56 dB   |  |  |
|                             | <b>Illumination Distance</b>      | 50 m (164.0 ft)   |  |  |
|                             | <b>Illuminator On/Off Control</b> | Auto / Manual   |  |  |
|                             | <b>Illuminator Number</b>         | 1 (IR LED)  |  |  |
|                             | <b>Pan/Tilt/Rotation Range</b>    | Pan: 0°–360°;<br>Tilt: 0°–90°;<br>Rotation: 0°–360°   |  |  |
|                             | Lens                              | <b>Lens Type</b>  | Fixed-focal  |  |
| <b>Mount Type</b>           |                                   | M12   |  |  |
| <b>Focal Length</b>         |                                   | 2.8 mm  |  |  |
| <b>Max Aperture</b>         |                                   | F1.6  |  |  |
| <b>Field of View</b>        |                                   | Horizontal: 103°;<br>vertical: 55°;<br>diagonal: 122°   |  |  |
| <b>Iris Type</b>            |                                   | Fixed   |  |  |
| <b>Close Focus Distance</b> |                                   | 0.9 m (3.0 ft)  |  |  |
| <b>DORI Distance</b>        |                                   | Lens  | 2.8  |  |
|                             |                                   | Detect  | 56.0 m (183.7 ft)                                  |  |
|                             |                                   | Observe   | 22.4 m (73.5 ft)                                   |  |
|                             | Recognize                         | 11.2 m (36.8 ft)  |  |  |
|                             | Identify                          | 5.6 m (18.4 ft)   |  |  |
| Professional, Intelligent   | <b>Perimeter Protection</b>       | Tripwire; intrusion (Recognition of human and vehicle)  |  |  |
|                             | <b>Intelligent Search</b>         | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos |  |  |
| Video                       | <b>Video Compression</b>          | H.265; H.264; H.264H; H.264B; MJPEG (only supported by sub stream)  |  |  |
|                             | <b>Smart Codec</b>                | Smart H.265+ / Smart H.264+   |  |  |
|                             | <b>Video Frame Rate</b>           | Main stream (2688 × 1520@1–25/30 fps)   | sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) |  |
|                             |                                   | third stream (1280 × 720@1–25/30 fps)   |  |  |
|                             |                                   | 3 streams   |  |  |
|                             | <b>Resolution</b>                 | 2688×1520;  |  |  |
|                             |                                   | 3M (2304×1296); 1080p (1920×1080); 1.3M (1280×960); 720p (1280×720);  |  |  |
|                             |                                   | D1 (704×576/704×480); VGA (640×480); CIF (352×288/352 × 240)  |  |  |
|                             |                                   | <b>Bit Rate Control</b> CBR/VBR   |  |  |
|                             |                                   | <b>Video Bit Rate</b> H.264: 3 Kbps–8192 Kbps<br>H.265: 3 Kbps–8192 Kbps  |  |  |
|                             | <b>Day/Night</b>                  | Auto(ICR)/Color/B/W   |  |  |
|                             | <b>BLC</b>                        | yes   |  |  |
|                             | <b>HLC</b>                        | yes   |  |  |
| <b>WDR</b>                  | 120 dB                            |   |  |  |

|                        |  |   |  |                      |
|------------------------|--|---|--|----------------------|
| Video                  | <b>White Balance</b>   | Auto/natural/street lamp/outdoor/manual/regional custom   |  |                      |
|                        | <b>Gain Control</b>  | Auto/Manual   |  |                      |
|                        | <b>Noise Reduction</b>   | 3D DNR  |  |                      |
|                        | <b>Motion Detetion</b>   | OFF/ON (4 areas, rectangular)   |  |                      |
|                        | <b>Region of Interest (RoI)</b>  | Yes (4 areas)   |  |                      |
|                        | <b>Smart Illumination</b>  | Yes   |  |                      |
|                        |  | <b>Image Rotation</b>   | 0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower.) |                      |
| <b>Mirror</b>          |  | Yes   |  |                      |
| <b>Privacy Masking</b> |  | 4 areas   |  |                      |
| <b>Built-in MIC</b>    |  | Yes   |  |                      |
| Audio                  | <b>Audio Compression</b>   | G.711a; G.711Mu; G726   |  |                      |
| Alarm Event            | No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security exception; motion detection; scene changing; intensity change; tripwire; intrusion; SMD |   |  |                      |
| Network                | <b>Network</b>   | RJ-45 (10/100Base-T)  |  |                      |
|                        | <b>SDK and API</b>   | Yes   |  |                      |
|                        | <b>Protocol</b>  | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP   |  |                      |
|                        |  | Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade |  |                      |
|                        | <b>Interoperability</b>  | ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec   |  |                      |
|                        | <b>Scene Self-adaptation (SSA)</b>   | Yes   |  |                      |
|                        | <b>User/Host</b>   | 20 (Total bandwidth: 64 M)  |  |                      |
|                        | <b>Storage</b>   | FTP; SFTP; Micro SD Card (support max. 256 G); NAS  |  |                      |
|                        | <b>Browser</b>   | IE: IE8, IE9, IE11<br>Chrome<br>Firefox   |  |                      |
|                        | <b>Management Software</b>   | Smart PSS, DSS, DMSS  |  |                      |
|                        | <b>Mobile Phone</b>  | IOS, Android  |  |                      |
|                        | Certifications   | CE-LVD: EN62368-1<br>CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU<br>FCC: 47 CFR FCC Part 15, Subpart B<br>UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07  |  |                      |
|                        |  | Port  | <b>Audio Input</b>   | 1-channel (RCA port) |
| <b>Audio Output</b>    | 1-channel (RCA port)   |   |  |                      |
| <b>Alarm Input</b>     | 1 channel in: 5mA 3V–5V DC   |   |  |                      |
| <b>Alarm Output</b>    | 1 channel out: 300mA 12V DC  |   |  |                      |
| Power                  | <b>Power Supply</b>  | 12V DC/PoE (802.3af)  |  |                      |
|                        | <b>Power Consumption</b>   | <5.4W   |  |                      |
| Environment            | <b>Operating Conditions</b>  | -40°C to +60°C (-40°F to +140°F)/ less than 95%   |  |                      |
|                        | <b>Storage Conditions</b>  | -40°C to +60°C (-40°F to +140°F)  |  |                      |
|                        | <b>Protection Grade</b>  | IP67  |  |                      |
| Structure              | <b>Casing</b>  | Metal   |  |                      |
|                        | <b>Dimensions</b>  | 192.7 mm × 70.5 mm × 66.4 mm (7.6"×2.8"×2.6") (L × W × H)   |  |                      |
|                        | <b>Net Weight</b>  | 590 g (1.3lb)   |  |                      |
|                        | <b>Gross Weight</b>  | 780 g (1.7lb)   |  |                      |