

DS-I225(D)

DS-I225(D) 4.8-120mm 2mp Optical Zoom 25X IR 100m IP PTZ Kamera HiWatch



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| Model | DS-I225(D) |
| Brend | Hiwatch |
| Növ | IP |
| Meqapixel | 2 MP |
| Obyektiv | PTZ |
| İşıqlandırma | İR |
| İşıqlandırma məsafəsi | 100m |
| Qoruma | IP66 |
| Material | Metal |

Specification

Camera

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| Matrix | 1/2.8" Progressive Scan CMOS |
| Maximum resolution | 1920×1080 |
| Sensitivity | Colour: 0.005 lux @ (F1.6, AGC on), B&W: 0.001 lux @ (F1.6, AGC on), 0 lux with IR |
| Slow shutter support | Eat |
| Day/night mode | İR filter |
| Zoom | 25 × optical, 16 × digital |

Lens

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| Focusing | Automatic, semi-automatic, manual |
| Aperture | Max. F1.6 |
| Zoom speed | Approx. 3.6 s |
| Focal length | From 4.8 to 120 mm, 25 × optical |
| Viewing angle | Horizontal: 57.6 to 2.5° (Wide-Tele), Vertical: 34.4 to 1.4° (Wide-Tele), Diagonal: 64.5 to 2.9° (Wide-Tele) |

Backlight

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| Backlight type | İR illumination |
| Additional backlight range | İR illumination range up to 100 m |

PTZ

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| Proportional Panning | Eat |
| Actions during downtime | Preset / Patterns / Patrol / Auto Scan / Vertical Scan / Random Scan / Frame Scan / Panoramic Scan |
| Scheduled tasks | Preset/patterns/patrol/auto scan/vertical scan/random scan/frame scan/panoramic scan/reboot/initialize/sub screen output |
| Turn | 360° |
| Incline | -15 to +90° (auto-rotate) |
| Turning speed | Rotation speed: adjustable, from 0.1 to 80 °/s; by preset: 80 °/s |

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| Tilt speed | Tilt speed: adjustable, from 0.1 to 80 °/s; by preset: 80 °/s |
| Presets | 300 |
| Patrolling | 8 patrols, up to 32 presets each |
| Templates | 4 templates |
| Power-off position memory | Eat |
| 3D positioning | Eat |
| Display PTZ position | Eat |
| Freeze frame when switching to preset | Eat |

Video player

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| Video compression | Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264 / MJPEG |
| Region of interest (ROI) | 8 fixed areas per thread |
| Main thread | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Additional stream | 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240) |
| Third stream | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| Video bitrate | From 32 to 16384 Kbps |
| H.264 profile | Baseline Profile/Main Profile/High Profile |
| H.265 profile | Main Profile |
| S.V.C. | Main Profile |
| ROI | H.264 and H.265 encoding |

Audio

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| Audio compression | G.711 / G.722.1 / G.726 / MP2L2 / PCM |
| Audio bitrate | 64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2) |
| Sampling frequency | 8 kHz/ 16 kHz/ 32 kHz/ 48 kHz |
| Environmental Noise Filter | Eat |

Net

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| Network storage | NAS (NFS, SMB/CIFS), ANR |
| Protocols | IPv4 / IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTp, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP / IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour |
| API | Open network video interface (version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP |
| Simultaneous real-time viewing | Up to 20 channels |
| User/Host | Up to 32 users, 3 user levels: administrator, operator, user |
| Safety | Password protection, strong password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermarking, IP address filtering, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, Timeout Management Settings, Security Audit Log, TLS 1.2, TLS 1.3, Host Authentication (MAC Address) |
| Client | iVMS-4200, HikCentral Pro, Hik-Connect |
| Web interface | Chrome 57.0+, Firefox 52.0+, Safari 11+, IE11 |

Image

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| Picture Options Switch | Eat |
| Image Settings | Saturation, brightness, contrast, sharpness and white balance are adjustable via client software or web interface |
| Day/Night mode switching | Day / Night / Automatic / Scheduled |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | more than 52 dB |
| Anti-fog | Digital anti-fog |
| Image enhancement | BLC, HLC, 3D DNR |
| Masking an area | 24 custom polygonal area masks, custom colors and location of area masks |
| Focus on area | Eat |

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| Exposition area | Eat |
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Interfaces

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| Ethernet interface | 1 RJ45 auto 10/100M Ethernet port |
| Local storage | Built-in Micro SD/SDHC/SDXC card slot, up to 256GB |
| Anxiety | 1 input, 1 output |
| Audio | 1 input (line), max. input signal amplitude: from 2 to 2.4 V pp, input resistance: 1 kOhm \pm 10%; 1 output (line), output impedance: 600 Ohm |
| Reset | Eat |

By event

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| Main events | Motion detection, tamper detector, alarm input and output |
| Smart Events | Line crossing detection, intrusion detection, area entry/exit detection, abandoned luggage detection, object movement detection, sound event detection |
| Alarm binding | Alarm actions: preset, patrol, alarm recording, send Email, notify monitoring center, upload to FTP/memory card/NAS, etc. |

Features based on deep learning algorithm

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| Face capture | Simultaneous detection of up to 5 faces. Supports detection, capture, evaluation, selection of faces in motion and output of the highest quality face image |
| Perimeter protection | Line crossing, intrusion detection, area entry/exit detection Alarm triggering for various types of objects (person, vehicle) |

Basics

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| Nutrition | DC 12 V, max. 18 W incl. max. 1.6 W for heating and 9 W for IR illumination; PoE (802.3 at) |
| Working conditions | -40 to +65 °C, humidity 90% or less (non-condensing) |
| Anti-fog | Eat |
| Material | ADC12 |
| Dimensions | Ø 165.5 × 290 mm (Ø 6.48 × 11.42") |
| Weight | Approx. 2 kg |

Certificates

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| EMC Standards | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 + A1: 2014); RCM (AS/NZS CISPR 32:2015); IC (ICES-003: issue 6, 2016); KC (KN 32: 2015, KN 35: 2015) |
| Safety Standards | UL (UL 62368-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 62368-1:2014 + A11:2017); BIS (IS 13252 (Part 1):2010 + A1:2013 + A2:2015); LOA (IEC/EN 60950-1) |
| Environment | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) |
| Protection Standards | IP66 (IEC 60529-2013), lightning protection TVS 6000 V, surge and transient overvoltage protection |