



8" 2MP 42X DarkFighter IR Network Speed Dome

DS-2DF8242IX-AEL(T5)

SKU: 65869

- 1/1.8" Progressive Scan CMOS
- High-quality imaging with 2 MP resolution
- Excellent low-light performance with DarkFighter technology
- 42 - optical zoom and 16 - digital zoom provide close-up views over expansive areas
- Expansive night view with up to 400 m IR distance
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Supports face capture to detect, capture, grade, and select faces in motion
- Supports road traffic to detect vehicles

Specifications Camera Image Sensor 1/1.8" progressive scan CMOS Min. Illumination Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR Shutter Speed 1/1 s to 1/30,000 s Day & Night IR cut filter Zoom 42x optical, 16x digital Max. Resolution 1920 x 1080 Lens Focus Auto, semi-auto, manual, rapid focus Focal Length 6.0 mm to 252 mm Zoom Speed Approx. 4.5 s (optical, wide-tele) FOV Horizontal field of view: 56.6° to 1.7° (wide-tele), Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele) Aperture Max. F1.2 Illuminator Supplement Light Type IR Supplement Light Range Up to 400 m Smart Supplement Light Yes PTZ Movement Range (Pan) 360° Movement Range (Tilt) -20° to 90° (auto flip) Pan Speed Pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s Tilt Speed Tilt speed: configurable from 0.1° to 150°/s, preset speed 250°/s Proportional Pan Yes Presets 300 Patrol Scan 8 patrols, up to 32 presets for each patrol Pattern Scan 4 pattern scans, record time over 10 minutes for each scan Power-Off Memory Yes Park Action Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan 3D Positioning Yes PTZ Status Display Yes Preset Freezing Yes Scheduled Task Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output Video Main Stream 50 Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720) 60 Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720) Sub-Stream 50 Hz: 25 fps (704 x 576, 640 x 480, 352 x 288) 60 Hz: 30 fps (704 x 480, 640 x 480, 352 x 240) Third Stream 50 Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288) 60 Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 240) 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 H.264 Type Baseline Profile/Main Profile/High Profile H.265 Type Main profile Scalable Video Coding (SVC) H.264 and H.265 encoding Region Of Interest (ROI) 8 fixed regions for each stream Audio Audio Compression G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32~192 Kbps (MP2L2) Network Protocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, UDP, IGMP, ICMP, Bonjour APIISUP, ISAPI, Hikvision SDK, Open Network Video Interface (Profile S, Profile G, Profile T) Simultaneous Live View Up to 20 channels User/Host Up to 32 users. 3 levels: Administrator, Operator and User Security Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.3, host authentication (MAC address) Client HikCentral, iVMS-4200, Hik-Connect Web Browser IE11, Chrome 57.0+, Firefox 52.0+, Safari 11+ Image Image Settings Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser Image Enhancement BLC, HLC, 3D DNR Wide Dynamic Range (WDR) 140 dB WDR Image Stabilization Yes. Built-in gyroscope to improve EIS performance. Regional Exposure Yes Regional Focus Yes Privacy Mask Up to 24 masks, polygon region, mosaic mask, mask color configurable Interface Ethernet Interface 1 RJ45 10M/100M self-adaptive Ethernet port; Hi-PoE On-Board Storage Built-in memory card slot, support MicroSD/MicroSDHC/MicroSDXC, up to 256 GB Alarm 7 inputs, 2 outputs Audio 1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω \pm 10%; 1 output (line out), line level, output impedance: 600 Ω Video Output 1.0V[p-p]/75 Ω , PAL, NTSC, BNC connector RS-485 HIKVISION, Pelco-P, Pelco-D, self-adaptive Event Basic Event Motion detection, video tampering alarm, alarm input and output Smart Event Line crossing detection, region entrance detection, parking

detection, unattended baggage detection, object removal detection, intrusion detection, region exiting detection, vandal-proof alarm, audio exception detection Smart Tracking Manual tracking, auto-tracking Alarm Linkage Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc. Deep Learning Function Face Capture Detects up to 30 faces simultaneously. Supports detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face Perimeter Protection Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Road Traffic And Vehicle Detection Road Traffic Support vehicle detection (license plate number, vehicle model, and vehicle color recognition) General General Function Mirror, password protection, watermark, IP address filter Power 24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater) Operating Condition Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: 5%~95% Dimension 266.6 mm x 410 mm (10.50" x 16.14") Approx. 8 kg (17.64 lb.) Language 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian Approval EMC FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011 + A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2019); KC (KN 32: 2015, KN 35: 2015) Safety UL (UL 62368-1) CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 62368-1:2014+A11:2017), BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (SANS IEC60950-1) Environment CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) Protection IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5