7-inch 4MP 32X Powered By DarkFighter IR Network Speed Dome

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Main Features

- 1/1.8" progressive scan CMOS

- High quality imaging with 4 MP resolution

- Excellent low-light performance with powered-by-DarkFighter technology

- Audio visual alarm: The white flashing light and audible warning can be triggered by certain events

- 32× optical zoom and 16× digital zoom provide close up views over expansive areas

- Expansive night view with up to 200 m IR distance

- Focuses on human and vehicle targets classification based on deep learning

- Face capture: Up to 5 faces captured at the same time

Camera

- **Image Sensor** 1/1.8" progressive scan CMOS

- **Max. Resolution** 2560 × 1440

- **Min. Illumination** Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux@(F1.5, AGC ON), 0 Lux with IR

- **Shutter Speed** 1/1 s to 1/30000 s

- **Day & Night** IR cut filter

- **Zoom** 32x optical, 16x digital

- **Slow Shutter** Yes

- **DORI**

  - ✓ Detect (25px/m): 2046.9 m

  - ✓ Observe (63px/m): 812.3 m

  - ✓ Recognize (125px/m): 409.4 m

  - ✓ Identify (250px/m): 204.7 m

Lens

- **Focal Length** 5.9 mm to 188.8 mm

- **FOV**

    - ✓ Horizontal field of view: 50.8° to 2.6° (wide-tele),

    - ✓ Vertical field of view: 29.4° to 1.5° (wide-tele),

    - ✓ Diagonal field of view:57.4° to 3° (wide-tele)

- **Focus** Auto,semi-auto,manual

- **Aperture** Max. F1.5

- **Zoom Speed** Approx. 4.8 s

Illuminator

- **Supplement Light Type** IR

- **Supplement Light Range** IR Distance: up to 200 m

PTZ

- **Movement Range (Pan)** 360°

- **Movement Range (Tilt)** -15° to 90° (auto flip)

- **Pan Speed** Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s

- **Tilt Speed** Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s

- **Proportional Pan** Yes

- **Presets** 300

- **Preset Freezing** Yes

- **Patrol Scan** 8 patrols, up to 32 presets for each patrol

- **Pattern Scan**4 pattern scans

- **Park Action** Preset, pattern scan, auto scan, tilt scan, random scan, frame scan, panorama scan

- **3D Positioning** Yes

- **PTZ Status Display** Yes

- **Scheduled Task** Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output

- **Power-Off Memory** Yes

Video

- **Main Stream**

    - ✓ 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)

    - ✓ 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)

- **Sub-Stream**

    - ✓ 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)

    - ✓ 60 Hz: 24 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: 24 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 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

- **Video Bit Rate** 32 kbps to 16384 kbps

- **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, AAC, PCM

- **Audio Bit Rate** 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/16-64 Kbps (AAC)

- **Audio Sampling Rate** 8 kHz/16 kHz/32 kHz/48 kHz

- **Environment Noise Filtering** Yes

Network

- **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

- **Simultaneous Live View** Up to 20 channels

- **API** Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP

- **User/Host** Up to 32 users, 3 user 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 1.2, TLS 1.3, host authentication (MAC address)

- **Network Storage** NAS (NFS, SMB/CIFS), auto network replenishment (ANR)

- **Client** iVMS-4200, HikCentral Pro, Hik-Connect

- **Web Browser** IE11, Chrome 57+, Firefox 52+, Safari 11+

Image

- **Image Settings** Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser

- **Day/Night Switch** Day, Night, Auto, Schedule

- **Wide Dynamic Range (WDR)** 120 dB

- **SNR** > 52 dB

- **Defog** Digital defog

- **Image Stabilization** EIS

- **Image Enhancement** BLC, HLC, 3D DNR

- **Privacy Mask** 24 programmable polygon privacy masks, mask color or mosaic configurable

- **Regional Focus** Yes

- **Regional Exposure** Yes

Interface

- **Ethernet Interface** 1 RJ45 10M/100M self-adaptive Ethernet port

- **On-Board Storage** Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB

- **Built-In Speaker** 1 built-in speaker with effective distance reaching max. 30 meters

- **Audio** 1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 kΩ ± 10%; 1 output (line out), line

  level, output impedance: 600 Ω

- **Alarm** 2 inputs, 1 output

- **Reset** Yes

Event

- **Basic Event** Motion detection, video tampering alarm, exception, alarm input and output

- **Smart Event** Line crossing detection, intrusion detection, region entrance detection, region exiting detection,

  unattended baggage detection, object removal detection, audio exception detection

- **Linkage** Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger

  recording, audible warning, white light flashing, and PTZ actions (such as preset, patrol scan, pattern scan)

- **Smart Tracking** Manual tracking, auto-tracking

Deep Learning Function

Face Capture

- ✓ Detects up to 5 faces simultaneously.

- ✓ Supports detecting, 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)

General

Power

- ✓ 24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater);

- ✓ Hi-PoE

- **Dimension** Ø 220 mm × 363.3 mm (Ø 8.66" × 13.91")
- **Weight** Approx. 5 kg (11.03 lb.)
- **Material** ADC12
- **Operating Condition** -30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)
- **Demist** Yes

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 IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge

protection and voltage transient protection