· 8MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
· Outputs max. 8MP (3840 × 2160) @15 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps
· H.265 codec, high compression rate, ultra-low bit rate
· Built-in IR LED, max IR distance: 30 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
· Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
· Supports max. 256 GB Micro SD card, built-in MIC
· 12V DC/PoE power support
· IP67 protection

THC4KIPD

8MP Lite IR Fixed-focal Eyeball Network Camera

| IVS | STARLIGHT | H.265+ | WDR WIDE DYNAMIC RANGE ✓ | IP67 | 8 Mp |

Functions

Smart Codec
With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding eÿciency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Smart H.265+ & Smart H.264+
With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding eÿciency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

IVS
With advanced video algorithm, IVS technology supports intelligent functions, such as tripwire and intrusion.

Starlight
Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

WDR
With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Protection (IP67, wide voltage)
IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.
Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification

Camera	
Image Sensor	1/2.7″ 8Megapixel progressive CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.009 Lux@F2.0
IR Distance 30 m (98.43 ft)	30 m (98.43 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	2
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°
Lens	
IP Camera Input	Fixed-focal

Mount Type	M12
Focal Length	2.8 mm 3.6 mmF1.5
Max. Aperture	F2.0
Field of View	2.8 mm: Pan 105° × Tilt 56° × Diagonal 125°
Iris Type	Fixed
Close Focus Distance	2.8 mm: 1.0 m (3.3 ft) 3.6 mm: 1.9 m (6.2 ft

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	74.7 m	29.9 m	14.9 m	7.5 m
	T	106.7 m	42.7 m	21.3 m	10.7 m

Smart Event

General IVS Analytics	Tripwire; intrusion

Video

Video Compression	H.265; H.264; H.264B; MJPEG
Smart Codec	yes
Video Frame Rate	Main stream: 3840 × 2160 (1 fps–15 fps) 2688 × 1520 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
Stream Capability	2 streams
Resolution	3840 × 2160 (3840 × 2160); 3072 × 2048 (3072 ×2048); 3072 ×1728 (3072 × 1728); 2592 × 1944 (2592 ×1944); 2688 × 1520 (2688 × 1520); 3M (2048 × 1536);2304 × 1296 (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)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas

Audio

Built-in MIC	Yes
Audio Compression	G.711A; G.711Mu; G.726; AAC

Network

Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS;QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
User/Host	20
Storage	Dahua Cloud; FTP; SFTP; Micro SD Card (support max.256 GB); NAS
Browser	IE Chrome Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile Phone	IOS; Android

Certification

Certification	CE-LVD: EN60950-1
	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
	FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<7.2W
Environmental	
Operating Conditions	−40°C to +60°C (−40°F to +140°F)/less than ≤ 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67
Structure	
Casing	Metal+Plastic
Dimensions	100.9 mm × Φ109.9 mm (3.97" × Φ4.33")
Net Weight	0.39 kg (0.9 lb)
Gross Weight	0.56 kg (1.2 lb)