



HNCA16-FEA



FEATURES

6MP IR Fisheye, Exterior, Built-in microphone and speaker

- 360° zero-blind zone image: a fisheye network camera capable of providing a 360 degree panoramic image of its surveillance scene
- Heatmap: based on deep learning algorithms, the camera counts people and presents an intuitive map
- IP67/IK10 water resistant and vandal proof, preventing water ingress for outdoor use
- Multi dewarping modes: the image can be dewarped to normal image for viewing intuitively
- Build-in mic and speaker: the camera supports two-way audio for real-time audio security monitoring and communication

Specifications	
Model Number	HNCA16-FEA
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.047 Lux @ (F2.6, AGC ON), B/W: 0.0047 Lux @ (F2.6, AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Lens	1.27 mm, horizontal FOV 180° (wall mount), 360° (ceiling mount), 360° (table mount)
Lens mount	M12
Aperture	F2.6
DORI	D: 21.3 m, O: 8.5 m, R: 4.3 m, I: 2.1 m
Day & Night	IR Cut Filter
Supplement Light Type	3 IR LEDs, each LED is independently controlled

Specifications	
Supplement Light Range	Up to 15M
IR Wavelength	850 nm
Main Stream	Fisheye View: 50 Hz: 25 fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 60 Hz: 30 fps (3072 × 2048, 2048 × 2048, 1280 × 1280) 180 Panorama View: 50 Hz: 25 fps (2048 × 1536, 1920 × 1080) 60 Hz: 30 fps (2048 × 1536, 1920 × 1080) Panorama View: 50 Hz: 25 fps (2048 × 1536, 1920 × 1080) 60 Hz: 30 fps (2048 × 1536, 1920 × 1080) 4PTZ: 50 Hz: camera 01: 25 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) camera 02: 25 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) camera 03: 25 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) camera 04: 25 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) 60 Hz: camera 01: 30 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) camera 02: 30 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) camera 03: 30 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) camera 04: 30 fps (1024 × 768, 640 × 480, 640 × 360, 320 × 240) Fisheye + 3PTZ: 50 Hz: camera 01: 25 fps (2048 × 2048, 1024 × 1024) camera 02: 25 fps (1024 × 768) camera 03: 25 fps (1024 × 768) camera 04: 25 fps (1024 × 768) 60 Hz: camera 01: 30 fps (2048 × 2048, 1024 × 1024) camera 02: 30 fps (1024 × 768) camera 03: 30 fps (1024 × 768) camera 04: 30 fps (1024 × 768) 4PTZ Fusion: 50 Hz: 25 fps (2048 × 1536, 1600 × 1200, 1280 × 960, 1024 × 768) 60 Hz: 30 fps (2048 × 1536, 1600 × 1200, 1280 × 960, 1024 × 768)
Sub-Stream	Fisheye View: 50 Hz: 25 fps (720 × 720, 720 × 480) 60 Hz: 30 fps (720 × 720, 720 × 480) 180 Panorama View: 50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240) Panorama View: 50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240) Fisheye + 3PTZ: 50 Hz: camera 01: 25 fps (720 × 720) 60 Hz: camera 01: 30 fps (720 × 720)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	H.265 and H.264 encoding
Region of Interest(ROI)	4 fixed regions for main stream and sub-stream
Mount Type	Support table, wall, and ceiling mounting
Decoding Mode	Support hardware decoding and software decoding

Specifications	
Display Mode	18 display modes in total Software decoding: Ceiling mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ, half sphere, cylinder Wall mount: fisheye view, panorama view, panorama + 3PTZ, panorama + 8PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ Table mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ, cylinder Hardware decoding: Ceiling mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion Wall mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion Table mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
Simultaneous Live View	Up to 20 Channels
API	Open Network Video Interface (PROFILE S, PROFILE G), ISAPI
User/Host	Up to 32 users. 3 user levels, administrator, operator and user
Security	Password protection, HTTPS encryption, IEEE 802.1X port-based network access control, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Image Settings	Saturation, brightness, contrast, sharpness, AGC and white balance are adjustable by client software or web browser
WDR	DWDR
Image Enhancement	BLC, HLC, defog, 3D DNR
Day & Night	Day/Night/Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC/TF card, up to 256 GB
Built-in Microphone	Yes
Built-in Speaker	Yes
Audio	1 input (line in), 3.5 mm connector, 1 output (line out), 3.5 mm connector
Alarm	1 input, max. 12 V; 1 output, max 24 VDC, 1 A

Specifications	
RS485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Basic Event	Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login, HDD full, HDD error
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
People Counting	Counts people entering, exiting and passing by separately Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports target filtering by height
Heat Map	A graphic description of visits (calculated by people number or by dwell time) in a configured area. Two heap map report types are available, space heat map and time heat map line chart
Intersection Analysis	Detects and analyze flow in an intersection-like scene, and generate reports Support one intersection of up to 10 ways
Operating Conditions	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 0.9 A, max. 11 W, two-core terminal block PoE: 802.3af, class 0, 36 to 57 V, 0.34 A to 0.22 A, max. 12.95 W
Material	Main body: Metal Cover: Plastic
Heater	Yes
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002
Dimensions	6.46" x 2.2"
Weight	1.6lb
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1
Electrical Box	HTH-280ZJ-DM25, HTH-281ZJ-DM25 (Slanted)
Wall Mount	HTH-273ZJ-DM25
Pendant	HTH-271ZJ-DM25
Corner and Pole	C:HTH-276ZJ, P:HTH-275ZJ