

12MP AI NexGen Fixed Fisheye Network Camera

- Providing real-time video output at maximum resolution 3536x3536@30fps
- Intelligent analytics
- Supports backlight compensation, strong light suppression, 3D digital noise reduction
- Equipped with 1 built-in microphone&1 set of alarm input and output
- Designed to meet IP66 dust and water resistance standards

Video	
Imaging Device	1/1.6”
Effective Pixels	12MP 3536(H)×3536(V)@30fps
Scanning System	Progressive CMOS
Min. Illumination	Color 0.06lux @ F2.8(AGC ON) ; B/W 0 lux @ IR ON
Lens Type	
Focal Length (Zoom Ratio)	2.0mm
Max. Aperture Ratio	F No. 2.8
Angular Field of View	Horizontal FOV 180°(wall mount), 360°(ceiling mount)
Min. Object Distance	0.4m
DORI	
DORI	D:38m O:15.2m R:7.6m I: 3.8m
Operational	
IR LED	3
IR Viewable Length	Up to 10m
Motion Detection	Off/On (8 Level)

Wide Dynamic Range	DWDR
Digital Noise Reduction	3D DNR
Day % Night	IR cut filter with auto switch(Day/Night/Image/Schedule)
White Balance	Auto/Manual
Audio	Built-in microphone
Edge Storage	Micro SD slot, up to 256GB
Alarm	1 input, 1 output
Hardware Reset	Reset button
Mount Type	ceiling/Metope/Desktop mounting
Decoding Mode	hardware decoding and software decoding
Display Mode	**Software decoding:** Cylinde, 2ptz, 4ptz, 180 degree panorama, 360 degree panorama, 360 panorama and ptz, 360 panoramic and 3ptz, 360 panoramic and 6ptz, 360 panoramic and 8ptz, Fisheye and 3ptz, Fisheye and 8ptz **Hardware decoding:** 180 degree panorama, 180 degree dual channel panorama, 360 degree panorama, single channel 4ptz, 4ptz, Fisheye and 3ptz
AI Features	Face Detection, Pedestrian & Vehicle, Perimeter Intrusion, Line Crossing, Object Detection, Crossing Counting, Heat Map, Crowd Density, Queue Length, Rare Sound, Intrusion, Region Entrance, Region Exiting
Network	
Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264/H.265+/H.264+/MJPEG
Max. Resolution	**Mainstream** 12MP(3536x3536),3000x3000, 2560x2560, 2160x2160, 1520x1520, 1080x1080, 720x720 **Substeam** 2MP (1080x1080), 720x720, 480x480, 240x240
Video Quality Adjustment	256Kbps ~ 16Mbps
Bitrate control method	CBR/VBR
IP	IPV6
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP
Security	IP address filter;complicated password; Authenticated username and password
IP Camera protocol	ONVIF(Profile S/G/T/M)
Max. User Access	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above

Environmental	
Operating Conditions	-35~+60°C/less than ≤ 90% RH
Outdoor Ready	IP66
Approval	
EMC	EN 55032:2015+A1:2020, EN 55035:2017+A11:2020 , EN IEC 61000-3-2:2019+A2:2024, EN 61000-3-3:2013+A2:2021+AC:2022-01
Safety	CE:EN IEC 62368-1:2020+A11:2020 FCC:FCC Rules and Regulations Part 15 Subpart B
Environment	CE-RoHS:(EU) 2015/863
Electrical	
Input Voltage / Current	D12V/PoE(IEEE802.3af)
Power Consumption	DC12V: max 6.5W; PoE (48V): max 8.1W

Mechanical	
Material	Metal

User Manual

AI Color Pro App