

4MP 46X PTZ NETWORK CAMERA

HIPC-S6024RVZK-X46-I1



- **Resolution & Frame Rate:** Up to 4MP, 2688×1520 @ 30fps
- **Low Light Performance:** Color: 0.0001 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
- **Video Compression:** Smart H.265+ / H.265 / H.264B / H.264M / H.264H / Motion JPEG
- **Optical Zoom:** 46X Optical Zoom
- **Infrared Range:** IR range up to 300m
- **Storage Support:** Supports microSD / microSDHC / microSDXC cards up to 512GB
- **Smart Features:** Supports smart surveillance and detects up to 32 faces in the same scene
- **AI Classification:** Supports human and vehicle classification
- **Audio Interface:** 1 Channel Audio Input, 1 Channel Audio Output
- **Alarm Interface:** 8 Channel Alarm Input, 2 Channel Alarm Output
- **Operating Conditions:** -40 to 70 (-40 to 158), ≤95% RH
- **Power Supply:** AC24V ±25% / DC24V ±10%, PoE: IEEE 802.3bt
- **Protection Rating:** IP66 & IK10 Rated Weatherproof and Vandal-Resistant Design



1/1.8" CMOS
IMAGE SENSOR



4 MEGAPIXEL



46x
OPTICAL ZOOM



IR RANGE
UPTO 300M



IP66

SYSTEM OVERVIEW

Advanced 4MP AI PTZ surveillance camera with powerful 46X optical zoom for ultra-long-range monitoring and precise image capture. Intelligent AI analytics including human & vehicle detection, auto-tracking, face capture, and perimeter protection. Built with IP66 weatherproof and IK10 vandal-resistant protection, ensuring reliable operation in demanding outdoor environments.

ABOUT HIFOCUS

HI-FOCUS is a trusted leader in surveillance and networking solutions with more than a **Decade of experience** in CCTV Industry. We deliver innovative, reliable, and high-performance security products designed to meet global quality standards. Every HI-FOCUS product is engineered with precision and rigorously tested to ensure superior performance and customer satisfaction.

WHAT IS HIT TECHNOLOGY ?

HIT (HI-FOCUS Integrated Trust) is a next-generation security framework that strengthens surveillance systems with advanced cyber security and intelligent design. By integrating encrypted data transmission, secure device authentication, and protected remote access, HIT ensures surveillance systems remain secure, reliable, and trusted.



Design and specifications are subject to change without notice. Visit HiFocusCctv.com for the latest product information /specification.

INTELLIGENCE THAT NEVER SLEEPS

Next-Generation AI Human & Vehicle Recognition

Reduce False Alarms • Detect Real Threats • Monitor with Precision



AI HUMAN RECOGNITION

ADVANCED VEHICLE ANALYTICS

DEEP LEARNING AUTO TRACKING

Real Pictures Of Different Zoom Lens



46X

OPTICAL ZOOM







IP66 WEATHERPROOF SURVEILLANCE

Built for Real Cities. Ready for Every Storm.



Precision Beyond Vision

AI-powered PTZ surveillance engineered for extreme industrial environments.



AI TRACKING

HUMAN / VEHICLE DETECTED

SMART ANALYTICS

98.7% ACCURACY

CYBER SECURITY

ENCRYPTION ACTIVE

SYSTEM STATUS

- OPERATIONAL: 100%
- PTZ CONTROL: ONLINE
- AI MODULES: ACTIVE
- NETWORK: STABLE

EXTREME TEMPERATURE PROTECTION

Temperature Range: -40°C ~ 70°C (-40°F ~ 158°F)

AC/DC ±25% / DC24V ±10% STABLE POWER

Humidity Resistance: ≤95% RH

POE IEEE 802.3bt SMART CONNECTIVITY

Power Input: AC24V ±25% / DC24V ±10%

ENGINEERED FOR HARSH ENVIRONMENTS

Smart PoE: IEEE 802.3bt

RELIABLE 24/7 INDUSTRIAL SURVEILLANCE

ETHERNET DATA FLOW

UP TO 95% HUMIDITY RESISTANCE

VOLTAGE PROTECTION

STRONGER VISION. SAFER TOMORROW.

INTELLIGENT TECHNOLOGY. UNMATCHED PROTECTION.



AI HUMAN DETECTION

360° PAN & TILT

300M IR RANGE

HD RESOLUTION

IP66 WEATHERPROOF

IR RANGE UP TO 300M

INFRARED NIGHT VISION

MOTION DETECTION

TWO-WAY AUDIO

AI That Never Blinks.

Real-time facial recognition, intelligent tracking, and enterprise-grade smart surveillance powered by advanced AI analytics.



Smart Surveillance

AI-Powered Analytics

Enterprise Security

32 FACES DETECTED

At the Same Scene

Advanced AI Chipset

Up to 32 Faces

Intelligent Tracking

Smart Analytics

Enterprise-Grade Security





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Quad Stream

Enabling the transmission of four independent video streams simultaneously. Each stream can be configured with different resolutions, frame rates, and bitrates to optimize bandwidth usage and performance based on application requirements.

46x Optical Zoom

Powerful 46x Optical Zoom for ultra-clear long-range surveillance. Capture distant subjects with sharp detail and precision monitoring. Advanced zoom technology delivers crystal-clear HD image quality. Ideal for highways, city surveillance, industries, and large areas.

Two Way Audio

Two-Way Audio enables real-time communication through the CCTV camera. Supports clear voice interaction for instant security response. Ideal for homes, offices, stores, and warehouse surveillance. Allows live warnings, visitor communication, and remote assistance.

Alarm Integration

Alarm 8CH In & Alarm 2CH Out support seamless integration with external security devices. Enables real-time triggering for sirens, sensors, and access control systems. Provides instant alarm response during suspicious activities and security events. Ideal for advanced CCTV systems with intelligent integrated protection.

Intelligent Analytics

Supports intelligent Human & Vehicle Classification with advanced perimeter protection features. Includes Tripwire, Double Tripwire, Perimeter Intrusion, Object Abandon, and Object Missing detection. Advanced analytics like Heatmap, Video Abnormal, and Audio Abnormal enhance smart surveillance monitoring. Designed for accurate event detection with reduced false alarms in professional CCTV environments.



CORE FEATURES

Camera

Image Sensor	1/1.8"CMOS
Min. Illumination	Color:0.0001lux@ (F1.6,AGC ON), B/W:0lux with IR
Shutter Speed	1s~1/100000s
Day&Night	IR-cut filter with auto switch (ICR)
Smart IR	Up to 300m
Wavelength	850nm
IR LEDs	10
Whitelight Distance	50m
White LEDs	4
IR Irradiation Angle	Yes
WDR	120dB
S/N	>52dB
Focal Length	4.3mm~198mm
Aperture Range	F1.6~F5.3
Aperture Type	Auto(P-Iris)
Field of View	59.2~2.2°(H); 34.6~1.3°(V); 66.7~2.5°(D)
Focus Control	Auto/Semi-auto/Manual
Close Focus Distance	1000mm~1500mm
DORI Distance	Detect:2414m Observe:958m Recognize:483m Identify:241m

PTZ

Optical Zoom	46x
Digital Zoom	16x
Zoom Speed	<5s
Pan Range	0~360°(P)
Pan speed	Manual Speed:0.1°~180°/s Preset Speed:240°/s
Tilt Range	-16°~90°(T) (Default -3°~90°)
Tilt Speed	Manual Speed:0.1°~120°/s Preset:180°/s
3D Position	Supported

Preset	500
Cruise	16(up to 32 presets per cruise)
Pattern	8
Power-off Memory	Supported

VIDEO

Video Compression	Smart H.265+/H.265/H.264B/ H.264M/H.264H/Motion JPEG
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8kHz/32kHz/48kHz
Max. Resolution	4MP,2688×1520@30fps
Main Stream	PAL: 25fps(2688×1520,2560× 1440,2304×1296,1920×1080), 50fps (1920×1080) NTSC:30fps(2688×1520,2560×1 440,2304×1296,1920×1080), 60fps(1920×1080)
Sub Stream	PAL:25fps(1920×1080,1280×960, 1280×720,704×576,640×480,704 ×288,352×288) NTSC:30fps(1920×1080,1280×960 ,1280×720,704×480,640×480, 704×240,352×240)
Third Stream	PAL:25fps(704×576,640×360,704 ×288,352×288) NTSC:30fps(704×480,640×360, 704×240,352×240)
Fourth Stream	PAL:25fps(704×576,704×288, 640×360,352×288) NTSC:30fps(704×480,704×240, 640×360,352×240)



BLC	Supported
HLC	Supported
AGC	Supported
3DNR	Supported
White Balance	Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warmlight Lamp/Daylight Lamp/Filament Lamp/Lock White Balance
ROI	7 areas
OSD	5 areas
Defog	Supported
Privacy Mask	24 areas

INTELLIGENT ANALYSIS

Basic event	Human/Vehicle Classification, Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Missing, Heatmap, Loitering, Running, Parking, People Counting, Crowd Detection, Safety Helmet Detection, On Duty Detection, Video Abnormal, Audio Abnormal
General Alarm	Motion Detection, Mask Alarm, Alarm Input
Exceptions Alarm Alarm	Disk Full, Disk R/W Error, Recording Exception, IP Address Conflict, MAC Address Conflict, FTP Server Exception, Network cable disconnected
Linkage Method	Send Email, Trigger Sound, Trigger Recording, Trigger Capture, Notify Surveillance Center, Alarm Output
Auto-Tracking	Supported
Face Mode	Face Capture
Face Capture Performance	Best Face Size 60 Pixels; Minimum face size 19 Pixels; Best facial capture distance ≤100m; Detect up to 32 faces at the same scene; Capture up to 16 faces at the same scene; Capture rate ≥99% (continuous scene with 10 people or less); Gender 85%, age (±5) 85%, mask 90%, glasses 85%, beard 80% (Less than 10 people in view)

SECURITY

Cyber security	AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, syslog, video encryption, IP/MAC filtering, HTTPS, trusted upgrade, trusted boot
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INTERFACE

Network Interface	1xRJ45 (10/100Base-T)
Audio	1CH IN / 1CH OUT
Alarm	8CH IN / 2CH OUT
Built-in Speaker	1CH
Reset Button	Supported
On-board Storage	Support microSD/microSDHC/microSDXC card, up to 512GB
Additional Interfaces	RS-485

NETWORK

ANR	Supported
Protocols	RTSPS, RTMP, HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP v3, DHCP, DNS, DDNS, NTP, SMTP, TLS v1.3, SSL, QoS, IPv4, IPv6, PPPoE, SSH, Unicast, Multicast, ARP, RTP, SRTP, FTP, SFTP
System Compatibility	ONVIF(Profile S/T/G/M), SDK, CGI, Milestone, RTSP, RTMP
Remote Connection	≤2
User/Host	32users, Level 4:Admin/Browse/Browse+Control/Browse+Control+Set
Client	HF Prime VMS

GENERAL

Operating Temperature	-40°C~70°C (-40°F~158°F)
Operating Humidity	≤95%RH
Storage Temperature	-40°C~70°C (-40°F~158°F)
Storage Humidity	10%~95%RH(non-condensing)
Power Supply	AC24V±25%/DC24V±10%, PoE:IEEE 802.3bt
Power Consumption	13.4W, 45W
Ingress Protection	Surge4000V, ESD6000V, IP66
Vandal Resistance	IK10
Material	Metal
Boundary Dimensions	222(D)372(H)mm
Package Dimensions	320(L)320(W)520(H)mm
NetWeight	5.3kg
GrossWeight	8.45kg



Dimensions

