



SHENZHEN GENERAL TECHNOLOGY CO. LTD

HiEasy High Speed Dome PT IP CAMERA

GS-X99-RH8Z-AF1



The IP Camera adopts highly integrated Hisilicon 3516CV610+IMX415 processor, Support 8MP 30 fps realtime code;extremely low power consumption and strong stability; supports H.265 compression algorithm to ensure image quality while effectively reducing network bandwidth occupation; powerful network function, support standard Support Hikvision protocol, and compatible with iVMS-4200, support RTSP, ONVIF and other protocols, support alarm picture upload FTP server, alarm picture to E-Mail, support mobile phone remote monitoring; Equipped with a 30x optical Lens lens and supporting 6x digital Lens (optional), it supports infrared night vision and color night vision modes. The infrared night vision distance is about 120 meters.

- 1,Supporting languages: Chinese, English, Russian, Spanish, Portuguese, Turkish, Ukrainian, Vietnamese, Arabic, French, Korean, Polish, Indonesian, Italian, Japanese, Persian etc
- 2,Support wifi 6 connection, Supports WIFI AP hotspot function.
- 3,The highest pixel is up to 8MP, and the highest resolution is up to 5MP (3840*2160),30fps.
- 4,H.265 compression algorithm, effectively reducing network bandwidth, supporting dual stream, supporting mobile phone monitoring
- 5,Support humanoid recognition to trigger SD card recording, SD card capture, voice alarm, message push, email



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alarm and other functions.

6,support fog function,WDR

7,Support strong light suppression function.

8,Support humanoid recognition and humanoid alarm

9,Support multiple network protocols: TCP/IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, SMTP, FTP, DHCP, DNS, DDNS, NTP, UPNP, RTSP,etc.

10,Support ONVIF protocol,Hikvision protocol

11,Support for manufacturer dynamic domain name and third-party dynamic domain name resolution

12,Support alarm picture sending E-Mail

13,Support alarm picture upload FTP server

14,Support alarm sound outputs

15,Support timing capture pictures to FTP server

16,Support static IP, also support dynamic IP (DHCP)

17,Support P2P plug and play

18,Built in web 2.0 pages, supporting non IE core browsers such as Edge, Chrome, Safari, Firefox, etc

19Supports up to 6 users to browse at the same time (3 users per stream)

20,Provide motion detection (area, sensitivity can be set) alarm function

21,Built in humanoid and vehicle shape detection functions; Expand the application scenarios of electronic fences, cross-border detection, departure detection, and passenger flow statistics

22,Supports 1-100000 electronic shutter adjustment.

23,Supports up to 4 privacy masking area settings

24,Support UPNP automatic port mapping

25,Support Micro SD card function, support up to 512GB Micro SD card

26,Support PC client to download SD card video

27,,Support mobile phone download and playback SD card recording

28,Support OTA upgrade.

29, Support clock continuous battery interface

Technical Parameter

Basic parameters (GS-X99-RH8Z-AF1)	
Chip solution	3 Hisilicon 3516CV610
Sensor	1/2.8" SONY IMX335
Illumination	Color:0.03Lux @(F1.8,AGC ON);B/W:0Lux @(F1.8,AGC ON),0 Lux with IR
Resolution frame rate	Main stream:30fps, 4K(3840*2160)/6MP(3200*1800)@30FPS/5MP(2880*1620)/4MP(2560*1440)/3MP(2304*1296)/2MP(1920*1080),
	Substream:30fps(1280*720,800*448,640*360,352*288)
Video Encoding format	H.265+/H.265/H.264
Audio Encoding format	G711u/G711A
Night vision	Support automatic switching between day and night. Intelligent dual light, infinite infrared or infinite white light.
White balance	Support automatic white balance, manual white balance, locked white balance, incandescent lamp, warm light lamp, white light lamp, natural light,



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Anti-flash mode	50HZ,60HZ,OFF
Aperture type	Manual aperture,auto iris
Exposure time	Auto,1/3 to 1/100000 can be set
Gain	Auto,6Db,12dB,18dB,24dB,30dB,36dB,42dB
3D noise reduction	Auto,weak,general,strong
BLC	OFF/ON
WDR	Auto,weak,general,strong
IR Image mode	Standard mode,Face without exposure,License plate mode
Digital Lens	Support 8X digital Lens
Focus mode	Fully automatic, semi-automatic, manual
LENS	
focal length	240X Lens,30X Optics Lens, support 8x digital Lens
Lens speed	about 6 seconds (optical, wide-angle-telephoto)
Horizontal-viewing angle	About 63-2 degrees (wide angle-telephoto)
Close-up distance	1.5-100meters (wide angle-telephoto)
Number of aperture	F1.4-F2.5
Features	
Smart Detect	Human and vehicle shape detection function; Expand the application scenarios of electronic fences, cross-border detection, departure detection, and passenger flow statistics
Smart record	Auto record,timing record,alarm record
Smart image Enhance	60DB WDR, Strong light suppression, face overexposure prevention, smart infrared
Smart code	Smart 265/264,Dynamic code stream, fixed code stream, low code stream
Proportional Lens	Support
Power-Off Memory	Support
Speed Dome	
Size	4.5inch
LED lighting	8 infrared LEDs, divided into 2 groups for control, with an infrared night vision distance of up to 120 meters. 2 white LED lights, color night vision distance up to 30 meters
Rotation angle	360 ° horizontal infinite rotation, 105 ° vertical rotation
Rotation speed	1-70 °/S adjustable
Preset	Support 255
Cruise	Supports 3 sets of cruising, with a maximum of 32 preset positions per set
Auto Tracking	Supports fixed-point tracking, cruise tracking, and tracking speed adjustment Using the APP can achieve timed tracking function
Home position	Support
scanning.	Support regional scanning. 360 ° horizontal scanning and support for scanning speed adjustment.; Using the APP can achieve timed Scan function
ONVIF Absolute Move	Supports absolute MOVE and continuous MOVE, and supports state retrieval.
Waterproof grade:	IP66
Shell material	Shell material: Metal shell, partially made of high-strength ABS
Network	



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Network protocol	IPv4,HTTP,HTTPS ,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP/IP,DHCP,PPPoE,RTSP
Application Programming	Support open API for software integration, support standard protocol (ONVIF), support Hikvision protocol and third-party management platform access
Browser	Support IE8+, Chrome31+, Firefox30+, Safari8.0+ browser
preview videos	MAX 3 user sametime preview
Wireless wifi	support wifi6
Time	time.windows.com,time.nist.gov,time.kriss.re.kr,time.nuri.net etc.,Network Time Protocol
Alarm	
Snapshot	Support Remote timing snapshot,
Motion detection	At most 4 respective regions
Humanoid detection	Support Humanoid detection record,snapshot,alarm output,tracking
Alarm linkage	E-mail Alarm and Send with Picture,Save Picture on the FTP Server(not support video), Relay out, alarm send message to mobile phone APP
Record	
Record	Support computer local record,Browser record,P2P client software record.NVR record
SD card	Not support
Interface	
Power interface	DC12V
Network	RJ45 10Base-T/100Base-TX,WIFI6
Audio	Support MIC ,audio out and Speaker
SD card	MAX support 512GB
Reset button	one external reset button
General specification	
Power	Max 18W ,DC12V input
Working	-35°C -65°C; humidity is less than 90%
Protection grade	IP66; TVS 4000V lightning protection, anti-surge, anti-surge, in line with GB/T17626.5 level four standards
Weight	2KG

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Address: No.11 Xiantian Road, Xinsheng Community, Longgang District, Shenzhen, China 518116

Tel: +86-755-2899-2347 • Website: <https://www.abetap.com>

