

# IWH-23IRF (wifi)

NETWORK BULLET



## KEY FEATURES

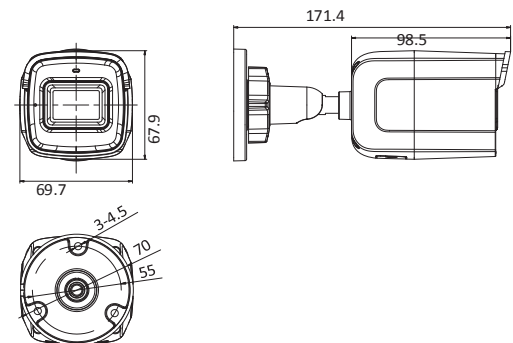
- 1/2.8" Progressive Scan CMOS
- 1920\*1080@25fps
- 2.8 mm fixed lens
- Wi-Fi Connection
- H.265+, H.265, H.264+, H.264
- 3D Digital Noise Reduction
- Audio I/O: 1 built-in mic, mono sound
- IP66



SPECIFICATION	IWH-23IRF
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	DWDR
Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Wide Dynamic Range	Digital WDR
Lens	
Focal Length	2.8mm
Aperture	F2.0
Focus	No
FOV	2.8 mm horizontal FOV: 114° vertical FOV: 62°, diagonal FOV: 135°
Lens Mount	M12
IR	
IR Range	Up to 30 m
Wavelength	850nm
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Video Bit Rate	32 Kbps to 8Mbps
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Smart Feature-set	
Region of Interest	Support 1 fixed region for main stream
Image	
Max. Resolution	1920 × 1080
Main Stream	25fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	25fps (640 × 480, 640 × 360, 320 × 240)
Image Enhancement	BLC/3D DNR
Image Settings	Saturation, brightness, contrast and sharpness are adjustable via client software and web browser
Day/Night Switch	Auto/Scheduled/Day/Night
Network	
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD error, HDD full
Network Storage	Support built-in microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR



## DIMENSIONS (mm)



Unit: mm

SPECIFICATION	IWH-23IRF
Network	
Transfer Rates	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, UDP, Bonjour
Wireless Range	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
API	ONVIF(PROFILE S,PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	VMS-A1, Guarding Vision
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	1 Built-in mic, mono sound
Reset Button	Yes
Wi-Fi	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.412 GHz - 2.472 GHz
Channel Bandwidth	20/40MHz
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transfer Rates	11b/g: 54Mbps, 11n: up to 150Mbps
Wireless Range	Up to 50 m (The performance varies based on actual environment)
Power Consumption	<20dBm
Wi-Fi	
Operating Conditions	-30 °C to +60 °C, Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, Ø 5.5 mm coaxial plug power
Power Consumption and Current	12 VDC, 0.4 A, Max: 4.8W
Protection Level	IP66
Material	Front cover: plastic, camera body: metal
Dimensions	Camera: 69.7 mm × 67.9 mm × 171.4 mm With package: 216 mm × 121 mm × 118 mm
Weight	Camera: 372g, with package: 659g