

**Item code:** 70405-ICH-21PIR

**Product description:** IP CUBE Camera 2 MP

**Main features:** 2 MP Indoor WDR Fixed Cube Network Camera with high quality imaging. Efficient H.265+ compression technology. Clear imaging against strong back light due to 120 dB true WDR technology. Provides real-time security via built-in two-way audio. Detects human body through passive infrared is sensitive to body temperature (PIR). Wi-Fi connection.



### SPECIFICATIONS

Camera	
Model No.	ICH-21PIR
Image sensor	1/2.7" Progressive Scan CMOS
Minimum Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 lux @ (F2.0, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100, 000 s
Slow Shutter	Yes
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	120 dB
3-Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotation: 0° to 360°
Lens	
Focal Length	2.8/4 mm
Aperture	F2.0
FOV (2.8 mm)	horizontal FOV 114° vertical FOV 62° diagonal FOV 135°
FOV (4 mm)	horizontal FOV 86° vertical FOV 46° diagonal FOV 102°
Lens Mount	M12
IR	
IR Range	10 m
Wavelength	850 nm
PIR	
Angle	Horizontal 90° Vertical 80°
PIR Range	10 m
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264



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H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G722.1/G711ulaw/G711alaw/G726/MP2L2/PCM
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-160 Kbps (MP2L2)
<b>Smart Feature-set</b>	
Smart Event	Line crossing detection, intrusion detection, face detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email
Region of Interest	Support 1 fixed region for main stream and sub-stream separately
<b>Image</b>	
Max. Resolution	1920 x 1080
Main Stream	50 Hz: 25fps (1920 x 1080, 1280 x 960, 1280 x 720) 60 Hz: 30fps (1920 x 1080, 1280 x 960, 1280 x 720)
Sub-stream	50 Hz: 25fps (640 x 480, 640 x 360, 320 x 240) 60 Hz: 30fps (640 x 480, 640 x 360, 320 x 240)
Third Stream	50 Hz: 25fps (1920 x 1080, 1280 x 720, 640 x 360, 352 x 288) 60 Hz: 30fps (1920 x 1080, 1280 x 720, 640 x 360, 352 x 240)
Image Enhancement	BLC, 3D DNR, HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
<b>Network</b>	
Network Storage	Support MicroSD/SDHC/SDXC card (128 G), local storage and NAS (NFS, SMB/CIFS), ANR
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
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	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
<b>Interface</b>	
Audio	1 built-in mic, 1 built-in speaker, mono sound



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Communication Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 G
SVC	Support H.264 and H.265 encoding
Reset Button	Yes
<b>Wi-Fi</b>	
Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.412 GHz to 2.4835 GHz
Channel Bandwidth	20 M/40 M
Protocols	802.11b: DQPSK, DBPSK, CCK 802.11g/n: OFDM/64-QAM, 16-QAM, QPSK, BPSK
Security	WPA, WPA2
Transfer Rates	11 b: 11 Mbps, 11 g: 54 Mbps, 11 n: up to 150 Mbps
Wireless Range	50 m
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
<b>General</b>	
Operating Conditions	-10 °C ÷ +40 °C (14 °F ÷ +104 °F), Humidity 95% or less (non-condensing)
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Power Supply	12 Vdc ± 25%, PoE (802.3af, class 3)
Power Consumption and current	12 Vdc, 0.5 A, max: 6 W, Ø 5.5 mm coaxial plug power PoE: (802.3af, 36 ÷ 57 V), 0.2 ÷ 0.1 A, Max: 7 W
Material	Plastic
Dimensions	102.8 × 65.2 × 32.6 mm (4.1" × 2.6" × 1.3")
Weight	Camera: ~ 128 g (0.3 lb)



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