

DH-IPC-A35

3MP A Series Wi-Fi Network PT Camera



System Overview

The IR Megapixel I Fixed A-Series PT camera delivers 3MP resolution. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small Wi-Fi applications at an affordable price.

- · 1/3" 3Megapixel progressive CMOS
- · H.264 & MJPEG dual-stream encoding
- · 20fps@3M(2304×1296)&25/30fps@1.3M (1280×960)
- · 0°~355° Pan range, 90° Tilt range, 25 presets
- · IR Distance 10m
- · Cloud Support
- · Wi-Fi Support
- · Micro SD card slot, up to 128GB
- · DC5V2A







effects of lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer

Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDS from whiting out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 10m (33ft).

Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Protection

Supporting $\pm 10\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the



Camera	Technical Specification		
Effective Pixels 2304(H) x1536(V) RAM/ROM 256MB/16MB Scanning System Progressive Minimum Illumination 0.78Lux/F2.0(Color), 0Lux/F2.0(IR on) S/N Ratio More than 50dB IR Distance Distance up to 10m(33ft) IR On/Off Control Auto/ Manual IR LEDs 2 Lens Lens Lens Type Fixed Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77*,V:42* Focus Control Fixed Close Focus Distance N/A PTZ Pan:0* ~355 *;Tilt:0* ~90*;Rotation:0* ~355* Video Compression Streaming Capability 2 Streams Resolution 3M(2048*1536)/3M(2304*1296)/1020*2030(1/1.3M(1280*960)/1720*(1280*720)/VGA(640*480)/1020*2020*201/VGA(640*480)/1020*20*20*20*20*20*20*20*20*20*20*20*20*	Camera		
RAM/ROM 256MB/16MB Scanning System Progressive Minimum Illumination 0.78Lux/F2.0(Color), 0Lux/F2.0(IR on) S/N Ratio More than 50dB IR Distance Distance up to 10m(33ft) IR On/Off Control Auto/ Manual IR LEDS 2 Lens Lens Lens Type Fixed Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77*,V:42* Focus Control Fixed Close Focus Distance N/A PTZ Pan:0* ~355 *;Tilt:0* ~90*;Rotation:0* ~355* Video Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048x1536)/3M(2304x1296)/1080/1.3M(1280x960)/720P(1280x720)/VGA(640 x480)/QVGA(1280x960)/720P(1280x720)/VGA(640 x480)/QVGA(1~25/30fps) Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	Image Sensor	1/3" 3Megapixel progressive CMOS	
Scanning System Progressive Minimum Illumination 0.78Lux/F2.0(Color), 0Lux/F2.0(IR on) S/N Ratio More than 50d8 IR Distance Distance up to 10m(33ft) IR On/Off Control Auto/ Manual IR LEDs 2 Lens Lens Type Fixed Mount Type Board-in Focal Length Max. Aperture F2.0 Angle of View H:77*;V:42* Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0* ~355 *;Tilt:0* ~90*;Rotation:0* ~355* Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048*1536)/3M(2304*1296)/1080)/1.3M(1280*960)/7.720(1280*720)/VGA(640*480)/QVGA(3202*40) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) VGA/QVGA(1~25/30fps) VGA/QVGA(1~25/30fps) Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	Effective Pixels	2304(H) x1536(V)	
Minimum Illumination 0.78Lux/F2.0(color), 0Lux/F2.0(IR on) S/N Ratio More than 50dB IR Distance Distance up to 10m(33ft) IR On/Off Control Auto/ Manual IR LEDS 2 Lens Lens Type Fixed Mount Type Board-in Focal Length Max. Aperture F2.0 Angle of View H:77*,V:42* Focus Control Fixed Close Focus Distance N/A PTZ Pan:0* ~355 * ;Tilt:0* ~90* ;Rotation:0* ~355* Video Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 streams Resolution 3M(2048×1536)/3M(2304×1296)/1080/1.3M(1280×960)/720F(1280×720)/VGA(640×480)/QVGA(1320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	RAM/ROM	256MB/16MB	
S/N Ratio More than 50dB IR Distance Distance up to 10m(33ft) IR On/Off Control Auto/ Manual IR LEDS 2 Lens Lens Elens Lens Type Fixed Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77°;V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355°; Tilt:0° ~90°; Rotation:0° ~355° Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080P(1320×20)/VGA(640×480)/QVGA(320×20)/VGA(640×480)/QVGA(320×20)/VGA(640×480)/QVGA(320×20)/VGA(640×480)/QVGA(320×20)/SAM(125/30fps) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Scanning System	Progressive	
IR Distance Distance up to 10m(33ft) IR On/Off Control Auto/Manual IR LEDs 2 Lens Lens Type Fixed Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H.77°,V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355°, Tilt:0° ~90°; Rotation:0° ~355° Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3m/(2304×1296)/ 1080P(1320×120)/ 1080P(1320×120)/ 1080P(1320×120)/ 20P(1280×720)/VGA(640×480)/ QVGA(320×240) Frame Rate 3m/(1~20fps)/2m/(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Minimum Illumination	0.78Lux/F2.0(Color), 0Lux/F2.0(IR on)	
R On/Off Control Auto/Manual IR LEDs 2	S/N Ratio	More than 50dB	
IR LEDs 2 Lens Fixed Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77°;V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355 °;Tilt:0° ~90°;Rotation:0° ~355° Video Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080P(1920×1080)/1.3M(1280×960)/720P(1280×220)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	IR Distance	Distance up to 10m(33ft)	
Lens Fixed Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77°,V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan:0° ~355 °;Tilt:0° ~90°;Rotation:0° ~355° Video Compression Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080/13M(1280×960)/720P(1280×720)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	IR On/Off Control	Auto/ Manual	
Lens Type Fixed Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77°,V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355°; Tilt:0° ~90°; Rotation:0° ~355° Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080P(19/20×1080)/1.3M(1280×960)/720P(1280×720)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	IR LEDs	2	
Mount Type Board-in Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77°;V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan:0° ~355°;Tilt:0° ~90°;Rotation:0° ~355° Video Compression Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080)/1.3M(1280×960)/720P(1280×720)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) VGA/QVGA(1~25/30fps) VGA/QVGA(1~25/30fps) Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	Lens		
Focal Length 3.6mm Max. Aperture F2.0 Angle of View H:77°;V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan:0° ~355°;Tilt:0° ~90°;Rotation:0° ~355° Video Compression Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	Lens Type	Fixed	
Max. Aperture F2.0 Angle of View H:77°;V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355°;Tilt:0° ~90°;Rotation:0° ~355° Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080/1/3M(1280×960)/720P(1280×720)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) VGA/QVGA(1~25/30fps) VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	Mount Type	Board-in	
### Angle of View H:77°;V:42° Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355°;Tilt:0° ~90°;Rotation:0° ~355° Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Focal Length	3.6mm	
Focus Control Fixed Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355 °; Tilt:0° ~90°; Rotation:0° ~355° Video Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/VGA(640×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Max. Aperture	F2.0	
Close Focus Distance N/A PTZ Pan/Tilt Range Pan:0° ~355 °; Tilt:0° ~90°; Rotation:0° ~355° Video Video	Angle of View	H:77°;V:42°	
PTZ Pan/Tilt Range Pan:0° ~355 °; Tilt:0° ~90°; Rotation:0° ~355° Video Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/1080/1.3M(1280×960)/720P(1280×720)/VGA(640×480)/QVGA(320×240)/1080/1.280×720)/VGA(640×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps)/1080/1.25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Focus Control	Fixed	
Pan/Tilt Range Pan:0° ~355 °; Tilt:0° ~90°; Rotation:0° ~355° Video	Close Focus Distance	N/A	
Video Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/ 1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/VGA(640 ×480)/ QVGA(320×240) 3MP(1~20fps)/2M(1~25/30fps) Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	PTZ		
Compression H.264/H.264B/H.264H/MJPEG Streaming Capability 2 Streams Resolution 3M(2048×1536)/3M(2304×1296)/ 1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/VGA(640 ×480)/ QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Pan/Tilt Range	Pan:0° ~355 °; Tilt:0° ~90°; Rotation:0° ~355°	
Streaming Capability 2 Streams 3M(2048×1536)/3M(2304×1296)/ 1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/VGA(640 ×480)/ QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Video		
3M(2048×1536)/3M(2304×1296)/ 1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/VGA(640×480)/ QVGA(320×240) 3MP(1~20fps)/2M(1~25/30fps) VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Compression	H.264/H.264B/H.264H/MJPEG	
Resolution 1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/VGA(640 ×480)/QVGA(320×240) Frame Rate 3MP(1~20fps)/2M(1~25/30fps) VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K~10240Kbps Day/Night Auto(ICR) / Color / B/W	Streaming Capability	2 Streams	
Frame Rate VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	Resolution	1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/VGA(640 ×480)/	
VGA/QVGA(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W		3MP(1~20fps)/2M(1~25/30fps)	
Bit Rate H264:32K ~ 10240Kbps Day/Night Auto(ICR) / Color / B/W	Frame Rate	VGA/QVGA(1~25/30fps)	
Day/Night Auto(ICR) / Color / B/W	Bit Rate Control	CBR/VBR	
	Bit Rate	H264:32K ~ 10240Kbps	
BLC / HLC / DWDR	Day/Night	Auto(ICR) / Color / B/W	
	BLC Mode	BLC / HLC / DWDR	

White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
Gain Control	Auto/Manual	
Noise Reduction	3D DNR	
Motion Detection	Off / On (4 Zone, Rectangle)	
Electronic Image	Support	
Smart IR	Support	
Digital Zoom	16x	
Flip	0°/90°/180°/270°	
Mirror	Off / On	
Privacy Masking	Off / On (4 Area, Rectangle)	
Audio		
Compression	G.711A;G.711Mu;AAC	
Network		
Ethernet	RJ-45 (10/100Base-T)	
Wi-Fi	Wi-Fi(IEEE802.11b/g/n),50m(open field)	
Protocol	HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP; DHCP;DNS;DDNS;IPv4/v6;QoS;UPnP;NTP; Bonjour;Multicast;ICMP;IGMP;	
Interoperability	ONVIF, PSIA, CGI	
Streaming Method	Unicast / Multicast	
Max. User Access	10 Users/20 Users	
Edge Storage	NAS(Network Attached Storage),Local PC for instant recording,Micro SD Card(up to 128GB)	
Web Viewer	IE, Chrome, Firefox, Safari	
Management Software	Smart PSS, DSS,Lechange	
Smart Phone	iOS, Android	
Certifications		
Certifications	CE (EN 60950:2000) UI:UL60950-1 FCC: FCC Part 15 Subpart B	
Interface		
Video Interface	N/A	
Audio Interface	Built-in Mic & Speaker	
RS485	N/A	
Alarm	N/A	
Electrical		
Power Supply	DC5V 2A	
Power Consumption	<8.5W	

Consumer Series | DH-IPC-A35

Environmental

Operating Conditions	-10°C ~ +45°C (14°F ~ +113°F) / Less than 95% RH
Strorage Conditions	-10°C ~ +45°C (14°F ~ +113°F) / Less than 95% RH
Ingress Protection	N/A
Vandal Resistance	N/A

Construction

Casing	Plastic
Dimensions	94.4mm x 94.4mm x 94.4mm(3.72" x3.72"x3.72")
Net Weight	0.215Kg(0.47lb)
Gross Weight	0.575Kg(1.27lb)

Ordering Information				
Туре	Part Number	Description		
3MP Camera	DH-IPC-A35P	3MP A Series Wi-Fi Network PT Camera, PAL		
	DH-IPC-A35N	3MP A Series Wi-Fi Network PT Camera, NTSC		
	IPC-A35P	3MP A Series Wi-Fi Network PT Camera, PAL		
	IPC-A35N	3MP A Series Wi-Fi Network PT Camera, NTSC		

Dimensions (mm/inch)





