

DH-H4A

4MP Indoor Fixed-focal Wi-Fi Pan & Tilt Network Camera



- 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 × 1440)@25 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, and the max. IR illumination distance is 10 m.
- Supports max. 256 G Micro SD card; built-in Mic; built-in speaker.
- 5 VDC power supply.
- · Supports WI-Fi.
- · Supports motion detection, human detection.













Series Overview

Dahua Wireless series cameras are not only easy to install and operate, but also perform outstandingly and cost-effective. They provide full coverage of a scene with 4MP resolution, 0° to 355° pan and-5° to 80° tilt. Their powerful functions, such as human detection and auto tracking, assist with the accurate detection and continuous tracking of targets. Information is also synchronously sent to your phone to keep you up-to-date. These cameras are widely used in small and medium-sized scenes such as small-sized retail stores.

Functions

Motion Detection

When moving objects appear in the monitoring image, Dahua Motion Detection technology triggers alarm or records.

Day/Night

Dahua Day/Night function provides color image when illumination is adequate; when illuminance is inadequate, it switches night mode and provides white and black image. It can guarantee that the network camera can work normally when illuminance changes.

Two-way Talk

With its built-in high-sensitivity microphone and high-power speaker, the camera realizes two-way talk through the mobile app.

Auto Tracking

When a target is detected, the system immediately uses pan and tilt to automatically track the target while they are moving, keeping them within the visual range.

Technical Specification Camera Image Sensor 1/3" CMOS Max. Resolution 2560 (H) × 1440 (V) Electronic Shutter Speed Auto/Manual 1/3 s-1/100,000 s Illumination Distance Up to 10 m (32.81 ft) (IR) Illuminator On/Off Control Auto Illuminator Number 1 (IR LED) Angle Adjustment Pan: 0" to 355"; Tilt: 5" to +80" Lens Max. Aperture Max. Aperture 3.6 mm: F2.0 Field of View 3.6 mm: F2.0 Video Wideo Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation 0"/180" Built-in MIC Ves, built-in speaker Audio Sub stream: 640 × 480 @25 fps B		
Image Sensor 1/3" CMOS Max. Resolution 2560 (H) × 1440 (V) Electronic Shutter Speed Auto/Manual 1/3 s=1/100,000 s Illumination Distance Up to 10 m (32.81 ft) (IR) Illuminator On/Off Control Auto Illuminator Number 1 (IR LED) Angle Adjustment 1 (IR LED) Angle Adjustment 7 (IR LED) Angle Adjustment 2 (IR LED) Max. Aperture 3.6 mm: F2.0 Field of View 3.6 mm: H: 74"; V: 41", D: 88" Video Video Compression H.265 Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Substream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation 0"/180" Audio Sullt-in Speaker Audio Compression G.711a Network Ru-45 (10/100 Base-T) Wi-Fi IEEE 8	Technical Specification	on
Max. Resolution 2560 (H) × 1440 (V)	Camera	
Electronic Shutter Speed Auto/Manual 1/3 s-1/100,000 s Illumination Distance Up to 10 m (32.81 ft) (IR) Illuminator On/Off Control Auto Illuminator Number 1 (IR LED) Angle Adjustment 71 (IR LED) Angle Adjustment 72.0 Angle Adjustment 3.6 mm: F2.0 Field of View 3.6 mm: H: 74°; V: 41°, D: 88° Video Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Sub stream: 64	Image Sensor	1/3" CMOS
Illumination Distance Illuminator On/Off Control Auto Illuminator Number 1 (IR LED) Angle Adjustment 1 (IR LED) Angle Adjustment Pan: 0° to 355°; Tilt:-5° to +80° Lens Max. Aperture 3.6 mm: F2.0 Field of View 3.6 mm: H: 74°; V: 41°; D: 88° Video Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation 0°/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client IOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Pawer Consumption Basic: 1.8 W;	Max. Resolution	2560 (H) × 1440 (V)
Illuminator On/Off Control Illuminator Number 1 (IR LED) Angle Adjustment Pan: 0° to 355°; Tilt:-5° to +80° Lens Max. Aperture 3.6 mm: F2.0 Field of View 3.6 mm: H: 74°; V: 41°; D: 88° Video Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @ 25 fps Sub stream: 640 × 480 @ 25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O'/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Network Port R.45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certifications CE Power Power Supply 5 VDC, 1A Pawer Consumption Basic: 1.8 W;	Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Angle Adjustment Pan: 0" to 355"; Tilt:-5" to +80" Lens Max. Aperture 3.6 mm: F2.0 Field of View 3.6 mm: H: 74"; V: 41"; D: 88" Video Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation 0"/180" Audio Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a Network Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certifications CE Power Power Supply 5 VDC, 1A Pawer Consumption Basic: 1.8 W;	Illumination Distance	Up to 10 m (32.81 ft) (IR)
Angle Adjustment Lens Max. Aperture 3.6 mm: F2.0 Field of View 3.6 mm: H: 74°; V: 41°; D: 88° Video Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation 0°/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Pawer Consumption Basic: 1.8 W;	Illuminator On/Off Control	Auto
Lens Max. Aperture J. 6 mm: F2.0 Field of View J. 6 mm: F2.0 Video Video Compression H. 265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution J. 6 kps. 400 & 1440); VGA (640 × 480) Video Bit Rate H. 265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O"/180" Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Pawer Consumption Basic: 1.8 W;	Illuminator Number	1 (IR LED)
Max. Aperture 3.6 mm: F2.0 Field of View 3.6 mm: H: 74°; V: 41°; D: 88° Video Video Compression H.265 Video Frame Rate Main stream: 2560 x 1440 @25 fps Sub stream: 640 x 480 @25 fps Sub stream: 640 x 480 @25 fps Resolution 4M (2560 x 1440); VGA (640 x 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation 0°/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Port RI-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Pawer Consumption Basic: 1.8 W;	Angle Adjustment	
Field of View 3.6 mm: H: 74°; V: 41°; D: 88° Video Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps—4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O*/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a Network Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Lens	
Video Compression H.265 Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps—4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation 0°/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Consumption Basic: 1.8 W;	Max. Aperture	3.6 mm: F2.0
Video Compression Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O*/180* Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Consumption Basic: 1.8 W;	Field of View	3.6 mm: H: 74°; V: 41°; D: 88°
Video Frame Rate Main stream: 2560 × 1440 @25 fps Sub stream: 640 × 480 @25 fps Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps—4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O*/180* Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Consumption Basic: 1.8 W;	Video	
Resolution 4M (2560 × 1440); VGA (640 × 480) Video Bit Rate H.265: 80 kbps-4096 kbps Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression Network Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Power Consumption Basic: 1.8 W;	Video Compression	H.265
Video Bit Rate Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O°/180° Audio Built-in MIC Built-in Speaker Audio Compression Network Network Network Network Port RI-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client Certification Certifications CE Power Power Consumption Basic: 1.8 W;	Video Frame Rate	
Day/Night Auto(ICR)/Color/B/W WDR DWDR Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O°/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Resolution	4M (2560 × 1440); VGA (640 × 480)
Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O°/180° Audio Built-in MIC Built-in MIC Wes, built-in Mic Built-in Speaker Audio Compression G.711a Network Network Network Network Vi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Consumption Basic: 1.8 W;	Video Bit Rate	H.265: 80 kbps-4096 kbps
Motion Detection OFF/ON (4 areas, rectangular) Image Rotation O°/180° Audio Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a Network Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Consumption Basic: 1.8 W;	Day/Night	Auto(ICR)/Color/B/W
Image Rotation O°/180° Audio Built-in MIC Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	WDR	DWDR
Audio Built-in MIC Yes, built-in Mic Built-in Speaker Yes, built-in speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Motion Detection	OFF/ON (4 areas, rectangular)
Built-in MIC Built-in Speaker Yes, built-in speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4-2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Image Rotation	0°/180°
Built-in Speaker Audio Compression G.711a Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Audio	
Audio Compression Network Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Built-in MIC	Yes, built-in Mic
Network Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Built-in Speaker	Yes, built-in speaker
Network Port RJ-45 (10/100 Base-T) Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Audio Compression	G.711a
Wi-Fi IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Network	
Storage Micro SD card (up to 256 GB) Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Network Port	RJ-45 (10/100 Base-T)
Management Software DMSS Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Wi-Fi	IEEE 802.11b/g/n 2.4–2.4835 GHz, 2.4 G
Mobile Client iOS;Android Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Storage	Micro SD card (up to 256 GB)
Certification Certifications CE Power Power Supply 5 VDC, 1A Basic: 1.8 W;	Management Software	DMSS
Certifications CE Power Power Supply 5 VDC, 1A Power Consumption Basic: 1.8 W;	Mobile Client	iOS;Android
Power Supply 5 VDC, 1A Power Consumption Basic: 1.8 W;	Certification	
Power Supply 5 VDC, 1A Basic: 1.8 W;	Certifications	CE
Power Consumption Basic: 1.8 W;	Power	
Power Consumption	Power Supply	5 VDC, 1A
	Power Consumption	

Environment	
Operating Temperature	-10 °C to +45 °C (+14 °F to +113 °F)
Operating Humidity	≤ 95%
Structure	
Casing Material	Plastic
Product Dimensions	φ77.8 mm × 108.1 mm (φ3.06" × 4.26")
Net Weight	204.2 g (0.45 lb)

Ordering Information		
Туре	Model	Description
4MP Camera	DH-IPC-H4AP-0360B	4MP Indoor Fixed-focal Wi-Fi Pan & Tilt Network Camera
	IPC-H4AP-0360B	4MP Indoor Fixed-focal Wi-Fi Pan & Tilt Network Camera
Accessories	A806A-050100U-EU1	5 VDC 1 A Power Adapter
	TF-C100	MicroSD Memory Card

Accessories

Included:

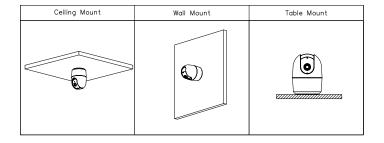


A806A-050100U-EU1 5 VDC 1 A Power Adapter

Optional:



TF-C100 MicroSD Memory Card



Dimensions (mm[inch])

