

# IPC-K22A 2MP IR Network Camera



- 2MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 fps
- $\cdot$  H.265 codec, high compression rate, ultra-low bit rate
- Max. IR distance: 10 m
- Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Alarm: 1 in, 1 out; 256 G SD card, built-in Mic and speaker
- Supports 256 G Micro SD card
- 12V DC/PoE power supply, easy for installation
- Supports PIR



#### **Series Overview**

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network camera is applicable to small and medium-sized scenes, such as homes/ residences, small-sized retail stores, and other small and medium-sized enterprises.

#### Functions

#### Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

#### Smart Illumination

Dahua Smart Illumination technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts Illuminations intensity automatically to display the details of the moving target.

#### **Motion Detection**

When moving objects appear in the monitoring image, Dahua Motion Detection (General) 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.

#### Voice Call

With built-in high-sensitivity Mic and high-power speaker, the camera can realize voice call through DMSS client.

## Entry Series | IPC-K22A

# Technical Specification

Camera				
Image Sensor	1/2.7"2Mega	pixel progressiv	ve CMOS	
Max. Resolution	1920 (H) × 1080 (V)			
ROM	128 MB			
RAM	128 MB			
Scanning System	Progressive			
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s			
Min. Illumination	Manual 1/30 s 0. 215 Lux @F2.0 (Color, 80 IRE); 0.232 Lux @F2.0 (W/B, 80 IRE); 0 Lux (IR on) Manual 1/3 s 0.0324 Lux @F2.0 (Color, 80 IRE); 0.0334 Lux @F2.0 (W/B, 80 IRE); 0 Lux (IR on)			
S/N Ratio	> 50.6 dB			
Illumination Distance	10 m (32.8 ft) (IR LED)			
Illuminator On/Off Control	Auto			
Illuminator Number	1 (IR LED)			
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90°			
Lens				
Lens Type	Fixed-focal			
Mount Type	M12			
Focal Length	2.8 mm			
Max. Aperture	F2.0			
Field of View	Horizontal: 102° Vertical: 54° Diagonal: 120°			
Iris Type	Fixed			
Close Focus Distance	0.5 m (1.6 ft)			
DON Distance	Detect	Observe	Recognize	Identify
DORI Distance	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)
Video				
Video Compression	H.265; H.264	; H.264H; H.26	4B; MJPEG	
Smart Codec	H.264: Yes H.265: Yes			
	50 Hz Main stream (1920 × 1080 @25 fps), sub stream (640 × 480 @25 fps) Main stream (1280 × 960 @25 fps), sub stream (640 × 360 @25 fps) Main stream (1280 × 720 @25 fps), sub stream (320 ×			

Main stream (1280  $\times$  720 @25 fps), sub stream (320  $\times$ 

Main stream (1920 × 1080 @30 fps), sub stream (640 × 480 @30 fps) Main stream (1280 × 960 @30 fps), sub stream (640 ×

Main stream (1280  $\times$  720 @30 fps), sub stream (320  $\times$ 

1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 ×

720); VGA (640 × 480); QVGA (320 × 240)

240 @25 fps)

360 @30 fps)

240 @30 fps)

2 streams

60 Hz

Video Frame Rate

Stream Capability

Resolution

Bit Rate ControlCBR/VBRIdeo Bit RateIZ-65: 73 kbps-6144 kbpsDay/NightAuto (ICR)/Color/R/WBLCVsBLCVsMUCWRVDRWRVDRWRMutte BalanceJot/Marual/street Ims/outdoor/manual/regionalGan ControlAuto/Iarual/street Ims/outdoor/manual/regionalMotion DetectionOF/FON (4 areas, rectangular)Motion DetectionFo/FON (4 areas, rectangular)Region of Interest (Ro)VsMorrorVsMartingVsMutoro DetectionVsMorrorVsMutoro DetectionSol Carl (5 areas)Mutoro DetectionVsMutoro DetectionSol Carl (5 areas)Mutoro DetectionSol Carl (5 area					
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Browser IE: IE7 and later Chrome: Chrome 45 and later Firefox: FireFox 46 and later Safari: Mac os Safari12   Management Software DMSS   Mobile Phone IOS; Android   Certification E-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FC: 47 CFR FCC Part 15, Subpart B   Port I channel in: 5mA 3V–5V DC	User/Host	20 (Total bandwidth: 50 M)			
BrowserChrome: Chrome 45 and later Firefox: FireFox 46 and later Safari: Mac os Safari12Management SoftwareDMSSMobile PhoneIOS; AndroidCertificationECertificationCertificationPortContent 15, Subpart BAlarm Input1 channel in: 5mA 3V–5V DC	Storage	NAS; FTP; SFTP; Micro SD card (256 G)			
Mobile Phone IOS; Android   Certification IOS; Android   Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B   Port I channel in: 5mA 3V–5V DC	Browser	Chrome: Chrome 45 and later Firefox: FireFox 46 and later			
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Certification CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B   Port Alarm Input   1 channel in: 5mA 3V–5V DC	Certification				
Alarm Input 1 channel in: 5mA 3V–5V DC	Certification	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU			
	Port				
Alarm Output 1 channel out: 300mA 12V DC	Alarm Input	1 channel in: 5mA 3V–5V DC			
	Alarm Output	1 channel out: 300mA 12V DC			

## Entry Series | IPC-K22A

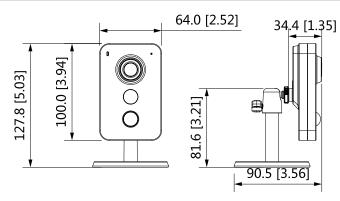
#### Power

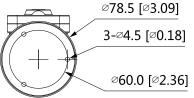
Power Supply	12V DC/PoE
Power Consumption	Max 2.9W (12V DC) (IR full intensity)
Environment	
Operating Conditions	-10°C to +45°C (14°F to +113°F)/Less than 95%RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Structure	
Casing	Plastic
Dimensions	$\Phi78.5$ mm × 90.5 mm × 127.8 mm (3.1" × 3.6" × 5.0") (L × W × H)
Net Weight	170 g (0.4 lb)
Gross Weight	270 g (0.6 lb)

### **Ordering Information**

Туре	Model	Description
2MP Camera DH-IPC-K22AP	DH-IPC-K22AP	2MP IR Network Camera, PAL
	DH-IPC-K22AN	2MP IR Network Camera, NTSC

### Dimensions (mm[inch])





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