IPC402 Series Dome IP Camera Specifications

>>| Product Introduction

IPC402 series Dome IP camera is based on IP network achieve network digital surveillance It is full-color, day and night dual-use, outdoor economic integration network cameras with infrared lights, It is waterproof effective, not fogged mirror. The infrared radiation distance can be up to 12 meters. Advanced H.264 coding algorithm to ensure a clearer and more fluid video transmission effect. Built-in Web Server allows users to conveniently carry out remote control via Internet Explorer. Furthermore, central management software can be used for integrated surveillance and management of multiple network cameras, so it is very easy to build large video surveillance system.

The series are suitable for public security, banking, ports, schools, buildings, residential zone and other places. It is a good choice for digital HD video network surveillance.

>>| Naming rules

IPC402 – X X X – X(option)

Sensor Type

42S: 1/3”SONY 420 TVL CCD

52SD: 1/3”SONY 520 TVL CCD

P: PAL

N: NTSC

Low light

N: Non-High-resolution low-light

D: High-resolution low-light

Network type

WiFi: Wireless WIFI network

POE: POE Power supply

3G: 3G WCDMA (HSDPA/HSUPA/HSPA+) or CDMA2000 EVDO

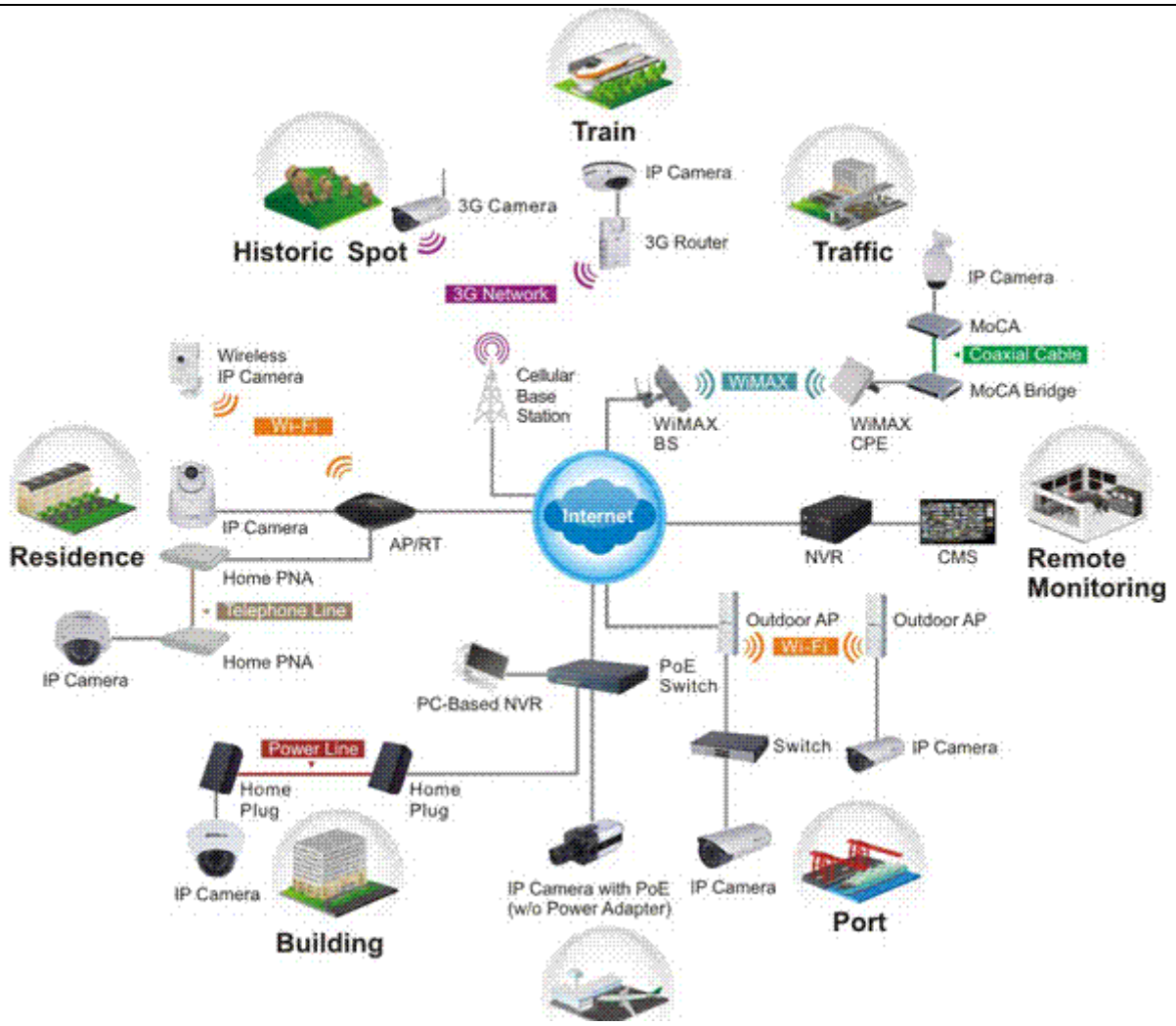
>>| Key Features

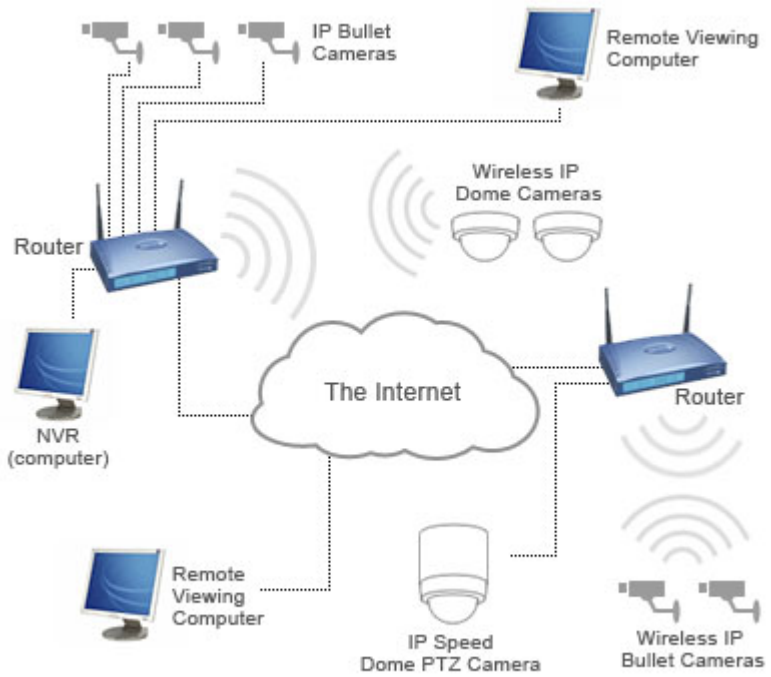
1) High-density and programmable communication media processor Hisilicon Hi3510, SOC single chip solution, equipped with two processors, ARM9 and DSP
2) Support both high sensitivity SONY CCD
3) Waterproof, 16 pcs of IR Led, IR distance 12M
4) H.264 Main Profile@Level 3, realize transmission of High Definition video over low network bandwidth easily.
5) Up to 30 frames per second in all resolutions ranging up to 704x576
6) Up to 10 viewers can directly access the camera simultaneously
7) Built-in Web server enables the use of a standard Web browser for viewing and management
8) Support 3G mobile wireless remote control and view ip camera
9) Support remote software upgrade
10) Support dynamic IP address , LAN, Internet (ADSL and Cable Modem)
11)Support protocols: RTSP, RTP, HTTP, TCP/IP, UDP, SMTP, PPPoE, DDNS, DNS, SNTP, DHCP, FTP, SNMP
12) 1ch Mic input and 1ch linear audio output.
13) Auto-adjusting frame rate according to real-time network rate
14) Alarm recording: video lost, motion detection and sensor alarm
15) Provide RS485/RS232 serial port with several built-in high-speed domes and decoder protocols, supports transparent protocols.
16) Auto-recovery after exception occurs or the network is reconnect
17) Support motion detection, network fault detection and alarm video, image snapping
18) Support 4 areas privacy mask
19) Support ONVIF protocol
20) Built-in Web server enables the use of a standard Web browser for viewing and management
21) Support SDHC SD card storage; SD2.0 standard, maximum storage 32G

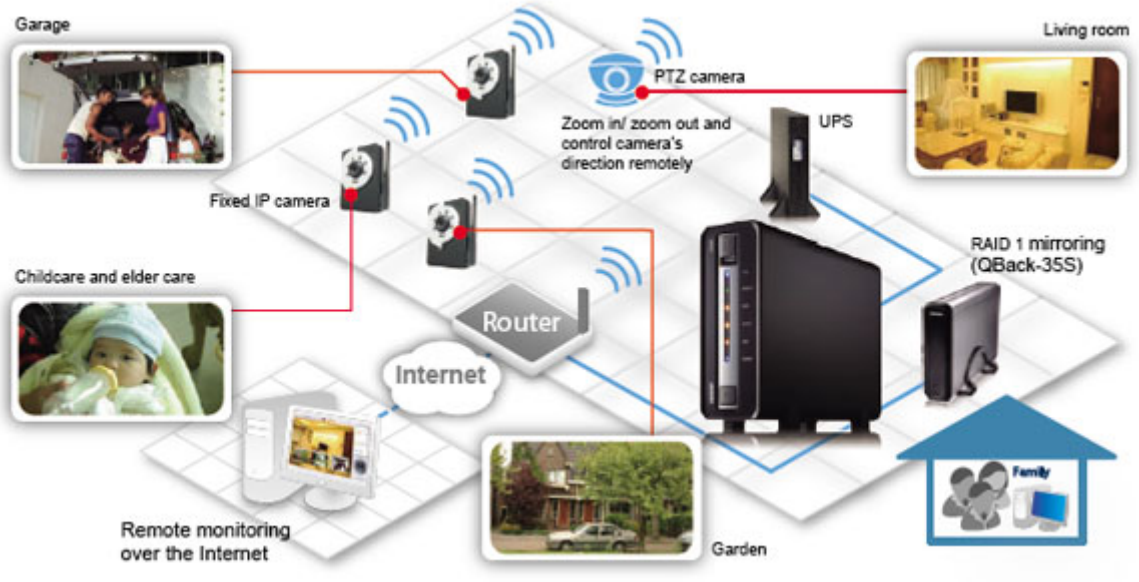
>>| Applications Scenarios

Restaurant, Hotel, Super market, Office, Corridor, Stairs, etc.

>>| Typical Application Diagram


Train
IP Camera
3G Camera
3G Router
Historic Spot
Traffic
IP Camera
3G Network
MoCA
Coaxial Cable
MoCA Bridge
Wireless
IP Camera
Wi-Fi
Cellular
Base
Station
WiMAX
WiMAX
BS
WiMAX
CPE
Internet
Residence
IP Camera
AP/RT
Home PNA
Telephone Line
Home PNA
IP Camera
NVR
CMS
Remote
Monitoring
Outdoor AP
Wi-Fi
Outdoor AP
PC-Based NVR
PoE
Switch
Switch
IP Camera
Power Line
Home
Plug
Home
Plug
IP Camera
Building
IP Camera with PoE
(w/o Power Adapter)
IP Camera
Port


IP Bullet
Cameras
Remote Viewing
Computer
Wireless IP
Dome Cameras
Router
NVR
(computer)
The Internet
Router
Remote
Viewing
Computer
IP Speed
Dome PTZ Camera
Wireless IP
Bullet Cameras



>>| Specification

Model		IPC402-42S(N)/(-W)	IPC402-52S(N)D/(-W)
Hardware			
Network chip	Lan	Realtek 10/100M BASE-TX Self-adapting	
Sensor		1/3"SONY SUPER HAD CCD	
Effective Pixels		PAL:500(H)×582(V) ; N:510(H)×492(V)	PAL:752(H)×582(V); N:768(H)×494(V)
Min.Illumination		Color Mode: 0.1Lux@F1.2	Color Mode:0.1Lux@F1.2; B/W Mode:0.01Lux@F1.2
S/N		≥50db(AGC OFF)	
Day-night switch		Auto from color to B/W	
Electronic Shutter		Auto	
Infrared Parameter		Optional for 16 infrared lamps, infrared distance 12m	
Interfaces			
CVBS video output		1 channel,420TVL,BNC connector	1 channel,520TVL,BNC connector
Optical lens	Interfaces	M12*0.5	
	Lens	Fixed Aperture	
	Focal Length	2.8~12mm; 2.8mm/4mm/6mm/8mm optional Best effect: 2.8mm—3 to 8 meters, 4mm—4 to 12 meters, 6mm—8 to 16 meters, 8mm—12 to 20 meters	
Audio Talkback		1 channel MIC input,3.5 mm connector	
Audio Output		1 channel output, 3.5 mm connector	
Storage Interface		SDHC SD card supports video storage and image snapping; SD2.0 standard, maximum storage 32G	

Network Interface	Lan	10/100M BASE-TX,RJ-45 connector
I/O		1-channel input, Normally Open/Normally Close modes adjustable; 1-channel output, 120VAC 1A/24VDC 1A,1 RS232 interface
Audio video encoding		
Video Compression		H.264 Main Profile; MJPEG/JPEG Baseline
Resolution	Master/ Second Streaming	D1:704*576(PAL),1-25 fps/sec;704*480(N),1-30 fps/sec Half-D1:704*288(PAL),1-25 fps/sec;704*240(N),1-30 fps/sec CIF:352*288(PAL),1-25 ps/sec;352*240(N),1-30 fps/sec QCIF:176*144(PAL),1-25 fps/sec;176*120(N),1-30 fps/sec
Video Bitrates		32Kbps~16Mbps, Supports CBR/VBR
Title OSD		Supports channel name, date & time, and video stream information overlay; OSD location is adjustable
Audio Compression		G.711, G.726, support 32K stereo
Data transmission and storage		
Data storage		video and image
Recording		Recording set up to record by motion trigger, alarm trigger, manual, circle, or schedule
Alarm Output		FTP,E-mail, Explorer, Management software
Network protocol		TCP/IP,UDP,RTP,RTSP,RTCP,HTTP,DNS,DDNS,DHCP,FTP,NTP,PPPOE,SMTP ,UPNP
Wireless protocols(-W)		802.11b/g/n,Supports WEP,WPA,WPA2("-w" model supports)
ONVIF protocol		Support
Remote View	Computer	Internet Explorer v6 or Later; Mozilla Firefox v1.5 or Later, or other Java-enabled Browsers, Chome, Opera, Sarafi, max 10user
	Mobile Phone	Windows Mobile, Symbian, iPhone
Others		
Operating Temperature		-10℃ - +75℃
Operating Humidity		0% - 95%
Power		DC12V/POE(IEEE 802.3af)(Optional)
Power Consumption		8W(MAX)
Dimension		Φ145(OD)*104(H)mm
Weight		0.36Kg

Model	**Marks**	
IPC402-C	1/4” VGA CMOS sensor	
IPC402-42SD	1/3”SONY 420 TVL CCD	
IPC402-52SD	1/3”SONY 520 TVL CCD, High-resolution low-light	
IPC402-XXX-W	With WiFi	
IPC402-XXX-3GW	With 3G HSPA module	
IPC402-XXX-3GE	With 3G EVDO	

IPC402-XXX-IR	With 16pcs IR LEDs		
Optional Accessories			
Lens	2.8mm	Best for 3~8 meters, not support IR	
Lens	4mm	Best for 4~12 meters, not support IR	
Lens	6mm	Best for 8~18 meters, can support IR	
Lens	8mm	Best for 12~20 meters, can support IR	

Notes:

We packed the units with free accessories; default packed depends on stock and the device's feature requirement. If you need specify the type, please inform us when you order.