



***D/N 3 Megapixel HD Vari-Focal
Infrared IP Camera***



**IPR7334/7338SX5
Instruction Manual**

IMPORTANT SAFEGUARDS

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

GRAPHIC SYMBOL EXPLANATION

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit.



CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS
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CAUTION

- ⊗ **Do not drop or strike this equipment.**

Sensitive electronics inside are vulnerable to excessive shock.

- ⊗ **Do not install the equipment near any naked flames or heat sources.**

Excessive heat could damage this unit.

- ⊗ **Do not expose this unit to rain or excessive moisture, avoid smoke and dust.**

Please the camera in an environmental housing for protection. If the camera gets wet, unplug it and have it checked by qualified service personnel.

- ⊗ **Do not cover cloth or to install this unit in poorly ventilated places.**

This may lead to overheating.

- ⊗ **Do not continue to operate if there appears to be fault.**

If the unit ceases to function, contact qualified service personnel for help.

- ⊗ **Do not touch the power connection with wet hands.**

Risk of short circuit or electric shock.

- ⊗ **Do not damage the power cord or leave it under pressure.**

Risk of fire or shock circuit.

Executive Summary

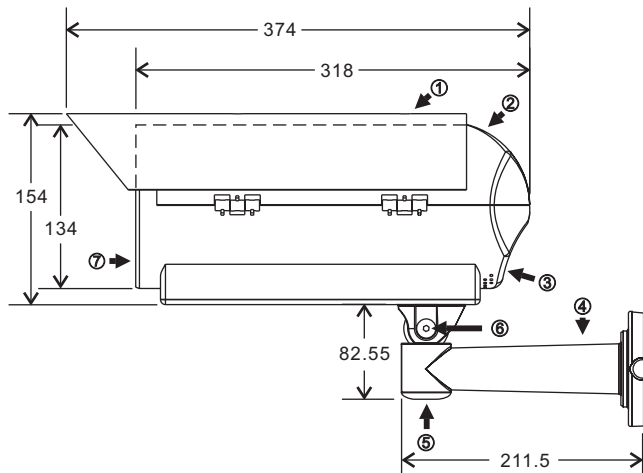
IPR7334/7338SX series is an D/N 3MP HD Vari-Focal Infrared IP Camera, built-in H.264 AVC(Advanced Video Coding) video compression. H.264 AVC video compression engine supports high definition video quality, QXGA(2048x1536) resolution, bandwidth efficiency with PPPoE and DDNS.

Also it provides higher bit rate of internet and diverse alarm functions such as movement video detection e-mail or FTP.

Moreover, IPR7334/7338SX series can do remote surveillance with iPad, iPhone or Android cell phone. The software R&D engineer can use HTTP protocol(HTTPAPI) or ONVIF protocol to develop related software, and integrate them with existing application software system.

IPR7334/7338SX series is ideal solution for remote video monitoring via internet.

PART DESCRIPTION & DIMENSION

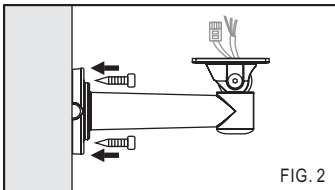
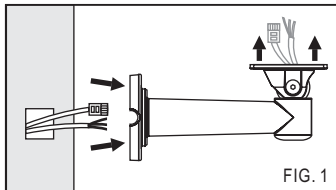


Unit: mm

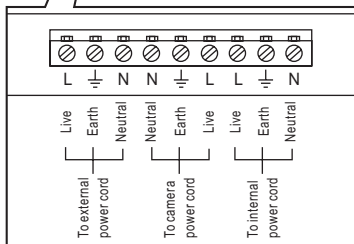
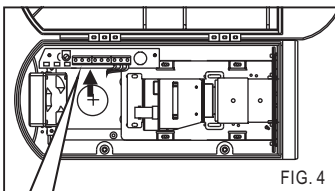
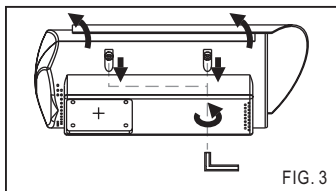
- ① SUN SHIELD
- ② TOP COVER
- ③ BOTTOM CHASSIS
- ④ BRACKET
- ⑤ PAN ADJUSTMENT SCREW
- ⑥ TILT ADJUSTMENT SCREW
- ⑦ WINDOW

INSTALLATION

1. Take out the bracket from the box first. Put the power cable and RJ-45 network cable through the bracket and then fix it to the wall (FIG.1 & FIG.2) °



2. Secondly, take out the camera body and open the top cover with screw driver (FIG.3) °



Note : When using two-cord power cable, please connect them to "Live" and "Neutral".

3. Put the power cable and RJ-45 network cable through the bracket rubber first and then go through the bottom of camera body (FIG.5). Plug and fix the power cable to the terminal and plug the RJ-45 network cable to RJ-45 LAN connector of the IP camera (FIG.6).

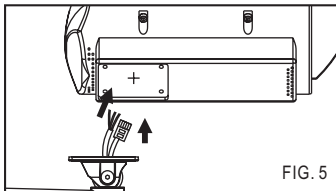


FIG. 5

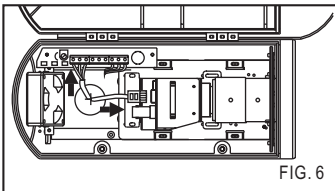


FIG. 6

4. Next, use the provided 1/4"-20UNC screws (silver-4pcs) to fix the camera body on the bracket with hexagon screw driver (FIG.7).

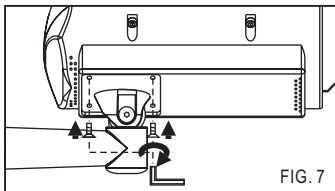


FIG. 7

5. Loosen the pan and tilt adjustment screw on the bracket to turn the camera body to the desired angle and then tighten the screws (FIG.8).

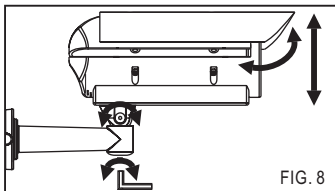
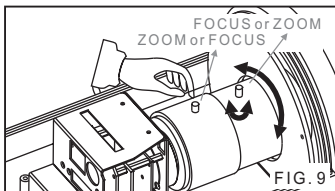
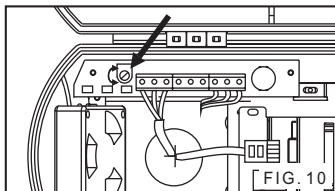


FIG. 8

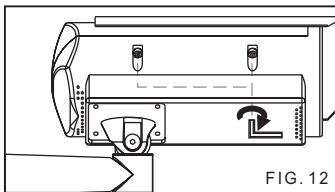
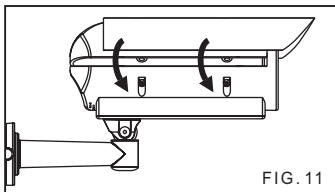
6. First, adjust the lens on focus and zoom to form the optimal video image after that tighten the screws (FIG.9).



7. Adjust VR1 to set Infrared LED activation level (FIG.10). Turn the VR1 toward "MAX" to higher the Infrared LED activation Lux level and vice versa.

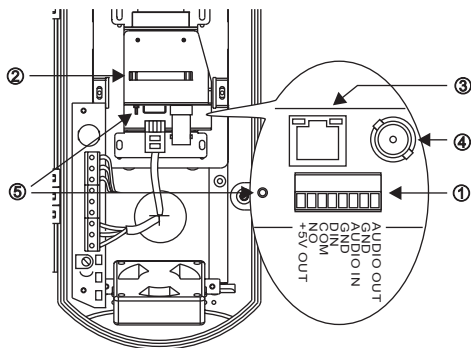


8. Replace the top cover and tighten the screws (FIG.11 & FIG.12).



SYSTEM OVERVIEW

Top View



Input/Output Device Component Description

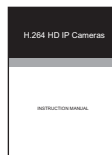
- | | |
|---|-----------------------|
| ① Alarm In/Out & Audio In/Out Connector | ④ Video Out Jack |
| ② SD Card Connector | ⑤ Load Default Button |
| ③ RJ-45 Jack | |

PRODUCTION COMPONENTS

1. D/N 3 Megapixel HD Vari-Focal Infrared IP Camera



2. Instruction Manual



3. CD Software Pack

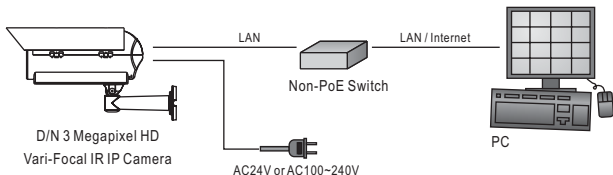


4. L type Hex Key Wrench & Screws



SYSTEM ARCHITECTURES

For connecting IPR7334/7338SX series to the network, please use AC24V or AC100~240V and network switch connected to a network.



EMERGENCY FACTORY DEFAULT

Use hardware to restore factory default settings, follow these steps:

1. Hold Load Default Button for 10 seconds, then release.
2. After about 40 seconds, the network LED light is off, and then lit.
3. This camera has completed the factory default settings, and then reboot.
4. Use IPScan software search for this IP device.
5. Using a Internet browser open the IP device.
6. Enter the default username "admin" and password "pass" to operate.

NOTE

For the convenience of users, restore the factory default settings will revert to the default IP address 192.168.0.200.

SPECIFICATIONS

D/N 3MP HD VARI-FOCAL INFRARED IP CAMERA				
Model No.			IPR7334SX5	IPR7338SX5
Lens	Focal Length		10 ~ 50mm	
	Iris		F2.0	
	Angle of view	H	51.5° ~ 6.5°	
		V	37.5° ~ 5.0°	
D		65° ~ 8.1°		
Pick Up Element			1/2.8" CMOS Image Sensor	
Effective Pixels			2096(H) x 1561(V) = 3,271,856(pixel)	
Chip Size			7.96mm(H) x 7.61mm(V)	
Scanning System			Progressive Scan	
Infrared Cut Filter			Auto/ Schedule/ Day(Color)/ Night(Mono)	
Minimum Illumination			Color: 1Lux at F2.0 , Mono: 0.25Lux at F2.0, 0Lux (IR ON)	
White Balance			Auto/ Tungsten/ Indoor/ Fluorescents1/ fluorescents2/ Outdoor1/ Outdoor2	
Back Light Compensation			Off/ On	
Electrical Shutter			1/30(25)s ~ 1/8000s	
Sense Up			Off/ 1Frame/ 2Frames/ 3Frames/ 7Frames	
Sense Up Plus			Yes	
Auto Gain Control			36dB Variable Gain	
3D Noise Reduction			Off/ Low/ Middle/ High	
2D WDR			Off/ On	
Privacy Masking			Off/ On (4 zones)	
Image Effects			Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip	
Live Video Output			CVBS 1.0Vp-p, 75ohm	
IP Rating			IP66	
Blower Control			On: 35°C, Off: 25°C	
Heater Control			On: 15°C, Off: 25°C	
Window			φ 110 Heat Resistant Glass	
Infrared LED	Peak Wavelength		850nm	
	Beam Spread		6	
	Radiant Distance		60M	
Operating Temperature			-10°C ~ +50°C (14°F ~ 122°F)	
Dimension			Body:146mm(W) x 154mm(H) x 347mm(D), Bracket: 211.5mm(L)	
Weight			3800g	
Power Supply			AC24V ±10%	AC100~240V ±10%
Power Consumption			33W (Heater Off) / 40W (Heater On)	

Design and specifications are subject to change without notice.

D/N 3MP HD VARI-FOCAL INFRARED IP CAMERA		
NETWORK		
Video Compression	H.264, Motion JPEG	
Resolution	QXGA(2048x1536), 1080P(1920x1080) / 720P(1280x720) / D1(720x480) / CIF(352x240)	
Multiple profile	Profile #1	H.264 2048x1536 @15fps
	Profile #2	H.264 1920x1080 @30fps, H.264 720x480 @30fps, JPEG 720x480 @25fps, JPEG352x240 @25fps
	Profile #3	H.264 1280x720 @30fps, H.264 720x480 @30fps, JPEG 352x240 @25fps
	Profile #4	H.264 1920x1080 @30fps, H.264 720x480 @30fps, JPEG 1280x720 @25fps
	Profile #5	H.264 1920x1080 @30fps, H.264 720x480 @30fps, JPEG 720x480 @25fps
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP	
Video Bitrate	128Kbps ~ 5Mbps Frame rate and bit rate controllable on-the-fly VBR/ CBR/ GOP supported	
Security	Base64 HTTP encryption Multiple user access levels with password protection 10 user accounts available	
Users	8 simultaneous users	
ePTZ & Digital Zoom	Yes, ROI is supported	
OSD	Text overlay for date, time, and camera name	
Alarm Functions	Alarm/ Motion/ Tampering/ Face detection triggering recording into SD card Image upload over FTP and E-mail by face/ tampering/ motion detection	
CPU, Memory	Embedded SoC ARM11, 528MHz 256MB DDR2, 256MB flash memory	
Maintenance	Firmware update via HTTP, Firmware available at web site	
Network Interface	10Mbps / 100Mbps Base-T, RJ-45	
PC Requirement	OS : Windows 2000, Windows XP, Windows Vista, Windows 7 Browser : Windows Internet Explore 6, 7, 8 CPU : Intel Pentium 4 1.8GHz or above RAM : 1GB or above, Independent Display Card	
Network Protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ONVIF	
Mobile Phone and PDA Support	iPad, iPhone and Android support	
System Integration	ONVIF & LILIN HTTP API	
CMX	Free CMX HD3.6 support	
Video Display	LILIN Universal ActiveX & LILIN Java Applet	
OS	Embedded Linux 2.6.32	
Two-way audio	G.711	
SD Card recording	Support SD/SDHC card for circular recording(card is not included)	
Alarm Input / Output	Digital 1 input(TTL, +3~5V) / 1 Output(N.O.)	



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