



***IMEGAPRO***<sup>®</sup>

**the best HD Camera in low light**

- CMOS 3MP HD IP Cameras • CMOS 1080P HD IP Cameras
- MOS 1.3MP HD IP Camera • CMOS 720P HD IP Camera
- NVR116D / 116 • CMX Software HD 3.6

 **LILIN**<sup>®</sup>



 **Taipei Head office: [www.meritlilin.com](http://www.meritlilin.com)**

No.20, Wugong 6th Road, New Taipei Industrial Park Wugu District, New Taipei City 248, Taiwan (R.O.C.)

TEL: 886-2-2298-8988, 6625-7699 FAX: 886-2-2298-9077, 6625-9866 E-mail: [sales@meritlilin.com.tw](mailto:sales@meritlilin.com.tw)

#### LILIN International Offices:

 Australia Tel: +61-2-9646-4878 [www.meritlilinpacific.com.au](http://www.meritlilinpacific.com.au)  
 China Tel: +86-20-8226-4825 EXT. 8206 [www.gzlilin.com.cn](http://www.gzlilin.com.cn)  
 France Tel: +33-1-3972-9898 [www.meritlilin.fr](http://www.meritlilin.fr)  
 Germany Tel: +49-40-2549-3480 [www.merit-lilin.de](http://www.merit-lilin.de)  
 Hong Kong Tel: +852-2889-2862 [www.meritlilin.hk](http://www.meritlilin.hk)  
 Italy Tel: +39-0542-781594 [www.meritlilin.it](http://www.meritlilin.it)

 Japan Tel: +81-3-3868-8051 [www.meritcctv.com](http://www.meritcctv.com)  
 Malaysia Tel: +60-3-6274-5066 [www.lilin.com.my](http://www.lilin.com.my)  
 New Zealand Tel: +64-9-415-8118 [www.lilin.co.nz](http://www.lilin.co.nz)  
 Spain Tel: +34-902-108-533 [www.meritlilinspain.com](http://www.meritlilinspain.com)  
 UK Tel: +44-870-120 5550 [www.lilin.co.uk](http://www.lilin.co.uk)  
 USA Tel: +1-626-930-1000 [www.meritlilin.us](http://www.meritlilin.us)





## NVR116D / 116

- Multi-touch screen supported
- 1080P 16 channel real-time NVR up to 48 Mbps throughput
- Full HD 1920x1080 HDMI output
- Support 8 SATA HDDs, 1 eSATA, and 2 USB2.0
- 3G mobile phone (iPhone, iPad, Black Berry and Android) solutions provided.
- Slim DVD R/W support (Optional).
- CMX Software HD 3.6 supported.



Series Number	NVR116D / 116
Model	1080P Real-time Multi-touch 16 Channel Standalone NVR D: Internal SATA HDD * 8 with built-in Slim DVD/RW -: Internal SATA HDD * 8
IP Video Supports	Network camera, network speed dome and video server
IP Video Input	Up to 1080p
Built-in DVD/CD	Yes, Slim DVD/RW
<b>Recording</b>	
Recording mode	External alarm / motion detection / schedule / manual
Resolution	1080p / 720p / D1 / VGA
Recording Video	1080p / 720p / D1 / VGA
Schedule	7 day * 24 hrs time table, recording mode configurable
<b>Backup</b>	
Backup	USB 2.0 flash disk / HTTP file download / Audio supported
DVD/RW	Slim DVD/RW or External USB DVD/RW
<b>Playback</b>	
Resolution	1080p / 720p / D1 / VGA
Playback Video	1080p / 720p / D1 / VGA
Speed	FR: 2x, 4x, 8x, 16x, 32x, 64x / FF: 2x, 4x, 8x, 16x, 32x, 64x
<b>Video Output</b>	
HDMI output	Up to 1920 * 1080p
VGA output	Up to 1920 * 1080p
Backlight saving	LCD backlight saving mode
<b>Alarm/event</b>	
Alarm/event	DI * 8 and DO * 2 (NO/NC)
Motion	Motion grid 20*12 each channel, 8 sensitivities
Event	External alarm, video loss, stop recording, power recovering, motion detection, schedule, logon, HDD format
Email	Alarm notification with JPEG attachments
<b>Software</b>	
BackupManager	Multiple NVRs FTP file download and multi-channel playback
Mobile phone	iPhone, iPad, Android, and Black Berry mobile phone supported
<b>Power</b>	
Power	DC 12V, 10A /120W
Working Env.	Temp: 0°C ~ +50°C / Humidity: 0%~80%
Dimension	434mm * 411.4mm * 88mm
Weight	5Kg (w/o HDD)



## CMX Software HD 3.6

- Support unlimited channels
- Support H.264 or JPEG
- Alarm management—Preset calling, alarm snapshots, PC audio alarm, and alarm DO output
- eMap—Alarm snapshot, alarm live, and eMap live monitoring
- Recording—Support 1080P IP Camera, DVR
- Mobile phone—Support iPhone, iPad, and Android
- Web access—Support web live video monitoring
- Audio monitoring—two-way audio



- Database Manager
- Event and alarm management
  - Network status report
  - Database maintainance
  - Database import & export
  - Reports



- eMap Manager
- eMap
  - Live monitoring alarm triggering
  - Alarm snapshots
  - Device find
  - PTZ control



- NVR Central
- H.264 AVC full D1/HD recording
  - User access level
  - Group monitoring
  - Smart search
  - PTZ control
  - Audio monitoring

Series Number	CMX Software HD 3.6
<b>Recording</b>	
Recording	Schedule / Motion detection / Manual recording
Live	Unlimited channels
Speed	Up to 1080P 30 FPS and ROI recording supported
Resolution	1080P / HD 1280 * 768 / D1 720 * 480 / VGA: 640 * 384 / CIF 320 * 240 / CIF: 320 * 192
Schedule	7 day * 24 hrs time table, recording mode configurable
Alarm recording	Face detection, audio detection, tampering, motion, DI alarm detection
<b>Playback</b>	
Playback	Time search, event search, date search, POS smart search
Speed	FR: 2x, 4x, 8x, 16X 32X / FF: 2x, 4x, 8x, 16X, 32X
Compression	H.264 / JPEG
<b>Video Input</b>	
Video Input	Unlimited Merit LILIN IP cameras / DVR connections
Camera name	20 characters
Channel editing	Mouse drag and drop
Digital zoom	Yes, ePTZ supported
Grouping	User grouping authentication assignable for eMap, and CMX HD 3.6 Software
<b>Alarmt</b>	
Alarm management	PC sound, redirect IP camera DO, eMail snapshots, redirect a PTZ preset recall
Event	Various alarm log, video loss, stop recording, schedule, logon, operation log
Digital output	Controllable
<b>eMap</b>	
eMap live monitoring	One channel for IP camera/multi-channel for DVR
eMap snapshot	Yes
PTZ control	Yes
<b>Network</b>	
Web interface	Live web interface
Mobile support	iPhone and Android
Protocols	ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE
IPScan	Supported, easy-to-setup for IP address



## CMOS 720P HD IP Camera



### Outdoor

### Indoor

Series Number	IPR414ESX3 IPR418ESX3	IPR614ES4.3 / IPR618ES4.3 IPR614ES6 / IPR618ES6	IPR712S4.3 IPR712S6	IPR312SX3	IPD112ESX3	IPD112S4.3
Name	D/N 720P HD Vari-Focal IR IP Camera	D/N 720P HD IR IP / Camera	D/N 720P HD IR IP Camera	D/N 720P HD VR Dome IR IP Camera	D/N 720P HD Vari-Focal Dome IP Camera	D/N 720P HD Dome IP Camera
Image Sensor	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Minimum Illumination (Color)	2Lux / F1.2 / 0Lux (IR ON)	3Lux / F1.8 / 0Lux (IR ON)	3Lux / F1.8 / 0Lux (IR ON)	2 Lux / F1.2 / 0Lux (IR ON)	2Lux / F1.2	3 Lux / F1.8
Auto Iris	Yes	-	-	Yes	Yes	-
Lens Type	3-9mm F1.2	4.3mm /6.0mm F1.8	4.3mm /6.0mm F1.8	3-9mm F1.2	3-9mm F1.2	4.3mm F1.8
Max. Video Resolution	1280x768	1280x768	1280x768	1280x768	1280x768	1280x768
Frames per Second	Up to 20fps (1280x768)	Up to 20fps (1280x768)	Up to 20fps (1280x768)	Up to 20fps (1280x768)	Up to 20fps (1280x768)	Up to 20fps (1280x768)
Networking	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45
Digital Input/Output	1/1	-	-	-	1/1	-
Audio Capability	2-Way Audio	-	-	-	2-Way Audio	-
Video Compression	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG
Multiple Streams	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple
PoE	Yes	Yes	-	-	Yes	-
Sense Up	Yes	Yes	Yes	Yes	Yes	Yes
Value-added Features	IR cut removable / IR Illuminators 40M IP66 / SD/SDHC Card Slot	IR cut removable IR Illuminators 25M / IP66	IR cut removable / IR Illuminators 16M IP66 / SD/SDHC Card Slot	IR cut removable / Vandal Proof IR Illuminators 16M / IP66	IR cut removable SD/SDHC Card Slot	IR cut removable



## CMOS 720P HD IP Camera



### Indoor

Series Number	IPG012ESX4.2
Name	D/N 720P HD IP Camera
Image Sensor	1/4" CMOS
Minimum Illumination (Color)	2.5Lux / F1.4
Auto Iris	Yes
Lens Type	2.8 ~ 12 mm F1.4 (CS Mount)
Max. Video Resolution	1280x768
Frames per Second	Up to 20fps (1280x768)
Networking	10/100 BaseT Ethernet , RJ-45
Digital Input/Output	1/1
Audio Capability	2-Way Audio
Video Compression	H.264 / AVC, Motion JPEG
Multiple Streams	Multiple
PoE	Yes
Sense Up	Yes
Value-added Features	IR cut removable / SD/SDHC Card Slot

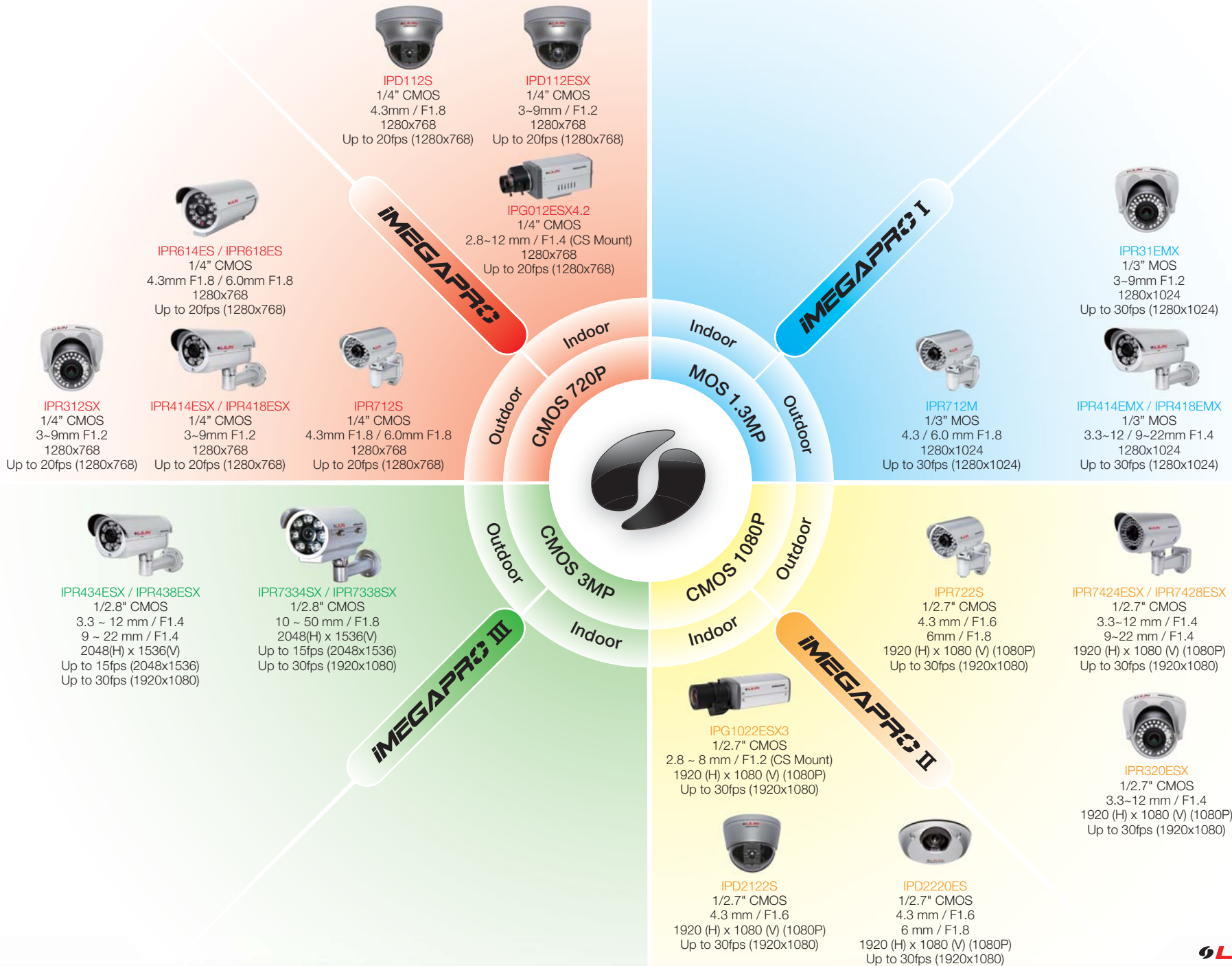


## MOS 1.3MP HD IP Camera



### Outdoor

Series Number	IPR414EMX3.6 / IPR418EMX3.6 IPR414EMX2.4 / IPR418EMX2.4	IPR712M4.3 IPR712M6	IPR31EMX3
Name	D/N MOS 1.3MP HD Vari-Focal IR IP Camera	D/N MOS 1.3MP HD IR IP Camera	D/N MOS 1.3MP HD VR Dome IR IP Camera
Image Sensor	1/3" MOS	1/3" MOS	1/3" MOS
Minimum Illumination (Color)	0.3Lux/F1.4 / 0Lux (IR ON)	0.5Lux/F1.8 / 0Lux (IR ON)	0.2Lux/F1.2 / 0Lux (IR ON)
Auto Iris	Yes	-	Yes
Lens Type	3.3~12 / 9~22mm F1.4	4.3 / 6.0 mm F1.8	3-9mm F1.2
Max. Video Resolution	1280X1024	1280X1024	1280X1024
Frames per Second	Up to 30fps (1280X1024)	Up to 30fps (1280X1024)	Up to 30fps (1280X1024)
Networking	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45
Digital Input/Output	1/1	-	-
Audio Capability	One-Way Audio	-	-
Video Compression	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG
Multiple Streams	Multiple	Multiple	Multiple
PoE	Yes	-	Yes
Sense Up	Yes	Yes	Yes
Value-added Features	IR cut removable / IR Illuminators 40M IP66	IR cut removable / IR Illuminators 21M IP66	Vandal Proof / IR cut removable IR Illuminators 21M / IP66





## CMOS 1080P HD IP Cameras



### Outdoor

### Indoor

Series Number	IPR7424ESX3.6 / IPR7428ESX3.6 IPR7424ESX2.4 / IPR7428ESX2.4	IPR722S4.3 IPR722S6	IPR320ESX3.6	IPD2220ES4.3 IPD2220ES6	IPD2122S4.3
Name	Day & Night 1080P HD Vari-Focal IR IP Camera	Day & Night 1080P HD IR IP Camera	Day & Night 1080P HD VR Dome IR IP Camera	1080P HD Dome IP Camera	Day & Night 1080P HD Dome IP Camera
Image Sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Minimum Illumination	0.1 Lux at F1.4 (Low Light Mode) / 0 Lux with IR.4	0.15 Lux at F1.6 (Low Light Mode) / 0 Lux with IR 0.18 Lux at F1.8 (Low Light Mode) / 0 Lux with IR	0.1 Lux at F1.4 (Low Light Mode) / 0 Lux with IR	0.6 Lux / F1.6 & 0.8 Lux / F1.8	0.15 Lux at F1.6 (Low Light Mode)
Auto Iris	Yes	-	Yes	-	-
Lens Type	3.3 ~ 12 mm / F1.4 & 9 ~ 22 mm / F1.4	4.3 mm / F1.6 & 6mm / F1.8	3.3 ~ 12 mm / F1.4	4.3 mm / F1.6 & 6 mm / F1.8	4.3 mm / F1.6
Max. Video Resolution	1920 (H) x 1080 (V) (1080P)	1920 (H) x 1080 (V) (1080P)	1920 (H) x 1080 (V) (1080P)	1920 (H) x 1080 (V) (1080P)	1920 (H) x 1080 (V) (1080P)
Frames per Second	Up to 30fps (1920x1080)	Up to 30fps (1920x1080)	Up to 30fps (1920x1080)	Up to 30fps (1920x1080)	Up to 30fps (1920x1080)
Networking	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45
Digital Input/Output	1/1	-	-	-	-
Audio Capability	2-Way Audio	-	-	1-way Audio	-
Video Compression	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG
Multiple Streams	Multiple	Multiple	Multiple	Multiple	Multiple
PoE	Yes	-	Yes	Yes	-
Sense Up Plus	Yes	Yes	Yes	Yes	Yes
Value-added Features	IR cut removable / IR Illuminators 35M SD/SDHC Card Slot / IP66 3D noise reduction / 2D WDR / Digital PTZ Face / Tampering / Audio / Motion detection Quadruple streaming technology	IR cut removable / IR Illuminators 21M IP66 / 3D noise reduction 2D WDR / Digital PTZ Face / Tampering / Motion detection Quadruple streaming technology	IR cut removable / IR Illuminators 21M Vandal Proof / IP66 3D noise reduction / 2D WDR / Digital PTZ Face / Tampering / Motion detection Quadruple streaming technology	Micro SD/SDHC Card Slot 3D noise reduction / 2D WDR Digital PTZ Face / Tampering / Audio / Motion detection Quadruple streaming technology	IR cut removable / 3D noise reduction 2D WDR / Digital PTZ Face / Tampering / Motion detection Quadruple streaming technology



## CMOS 1080P HD IP Cameras



### Indoor

Series Number	IPG1022ESX3
Name	Day & Night 1080P HD IP Camera
Image Sensor	1/2.7" CMOS
Minimum Illumination	0.06 Lux at F1.2 (Low Light Mode)
Auto Iris	Yes
Lens Type	2.8 ~ 8 mm / F1.2 (CS Mount)
Max. Video Resolution	1920 (H) x 1080 (V) (1080P)
Frames per Second	Up to 30fps (1920x1080)
Networking	10/100 BaseT Ethernet , RJ-45
Digital Input/Output	1/1
Audio Capability	2-Way Audio
Video Compression	H.264 / AVC, Motion JPEG
Multiple Streams	Multiple
PoE	Yes
Sense Up Plus	Yes
Value-added Features	IR cut removable / SD/SDHC Card Slot 3D noise reduction / 2D WDR Digital PTZ Face / Tampering / Audio / Motion detection Quadruple streaming technology



## CMOS 3MP HD IP Cameras



### Outdoor

Series Number	IPR7334SX5 IPR7338SX5	IPR434ESX3.6 / IPR438ESX3.6 IPR434ESX2.4 / IPR438ESX2.4
Name	Day & Night 3MP HD Vari-Focal IR IP Camera	Day & Night 3MP HD Vari-Focal IR IP Camera
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Minimum Illumination	0.3 Lux at F1.8 (Low Light Mode) / 0 Lux with IR	0.15 Lux at F1.4 (Low Light Mode) / 0 Lux with IR
Auto Iris	Yes	Yes
Lens Type	10 ~ 50 mm / F1.8	3.3 ~ 12 mm / 9 ~ 22 mm / F1.4
Max. Video Resolution	2048(H) x 1536(V)	2048(H) x 1536(V)
Frames per Second	Up to 15fps (2048x1536) , Up to 30fps (1920x1080)	Up to 15fps (2048x1536) , Up to 30fps (1920x1080)
Networking	10/100 BaseT Ethernet , RJ-45	10/100 BaseT Ethernet , RJ-45
Digital Input/Output	1/1	1/1
Audio Capability	2-Way Audio	2-Way Audio
Video Compression	H.264 / AVC, Motion JPEG	H.264 / AVC, Motion JPEG
Multiple Streams	Multiple	Multiple
PoE	-	Yes
Sense Up Plus	Yes	Yes
Value-added Features	IR cut removable / SD/SDHC Card Slot IR Illuminators 60M / IP66 3D noise reduction / 2D WDR / Digital PTZ Face / Tampering / Audio / Motion detection Quadruple streaming technology	IR cut removable / SD/SDHC Card Slot IR Illuminators 45M / IP66 3D noise reduction / 2D WDR / Digital PTZ Face / Tampering / Audio / Motion detection Quadruple streaming technology