



Megapixel IP cameras



IP speed domes



NVR series



CMX software & peripheral

2013
IP Product Selector

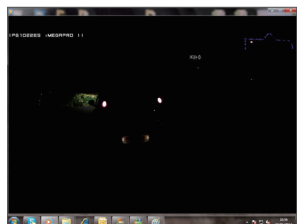


Feature Guide for iMEGAPRO:

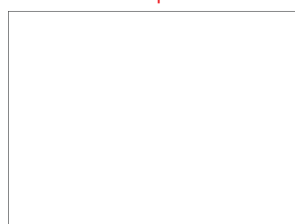
Sense Up+:

Manufacturers have traditionally utilised frame integration technology to improve the low light performance in CCTV cameras. Whilst effective at producing a low light image, 'motion blur' is a common problem in areas with movement. Sense Up+ utilises intelligent image signal processing with a highly sensitive CMOS sensor, AGC control and 3D noise reduction to provide the ultimate low light image without any 'motion blur' or noise.

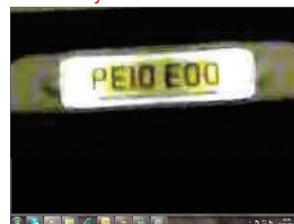
Colour



Colour Sense Up+



HD Clarity



Quadruple Streaming:

Within the main profile four individual streams are available; two H.264 streams; one at 1080P resolution the other at 480P and two JPEG streams; 480P and CIF resolution respectively. Each can be set up to a maximum 30 FPS. The advantages are that each client can request a stream from the camera to suit its needs, for example the recording device could use the 1080P H.264 stream at 30 FPS, whilst mobile devices might connect to the JPEG CIF stream to save bandwidth and increase transmission speed.

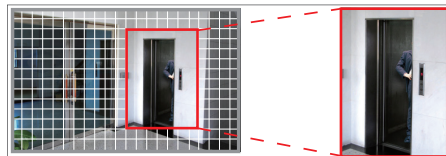
Region of Interest (ROI):

A ROI is a designated area within each camera view. This can then be delivered to the recording device as an individual stream. For example; a shop counter (overall image) is streamed at 2 FPS whilst the ROI is zoomed into the till and streamed at 15 FPS giving faster updates of this sensitive area.

E Tour:

Digitally zoom and move around the camera image. Preset positions can be stored and a tour can then move around those preset positions as though it were a mechanical pan and tilt camera.

Motion Detection



Recording

Weighted Mode:

Each stream has the option to be set to weighted mode. When enabled the stream will transmit at 1 FPS regardless of the programmed FPS. Upon an alarm the frame rate will increase to its programmed values. This optimises both hard drive recording space and bandwidth usage but still maintains continuous surveillance recording.

IR Illumination:

Already a leader in infrared integration, our expertise in this field has been applied to create the largest ranges of IR integrated IP cameras. IR LED illumination can be achieved for distances up to 60 Meters.

ONVIF:

LILIN were the first company in the world to produce a range of ONVIF compatible products. This enables our range of cameras to work with many Video Management Software solutions including, Milestone, Genetec, Axxon, Nuuo and GeoVision to name but a few.

Alarms can be activated using a number of modes:

Motion Detection:

Detects motion within a selected zone

Face Detection:

Detects a human face within a selected zone

Tamper Detection:

Detects changes in the camera image, such as spray painting, focus drift or the camera field of view moving

Audio Detection:

Activates an alarm if sound is detected (audio models only)

Other Features:

Privacy Masking:

4 privacy zones to block out parts of the video, ideal for applications such as chip and pin terminals

Power over Ethernet (PoE):

Enabling one cable solution for both power and video/data

Graphic User Interface (GUI):

iMEGAPRO II & III use the same user interface as LILINs 720P and 1.3 Megapixel IP camera range. This familiar and user friendly interface ensures smooth integration and quick configuration

Face Detection



Detecting

Face

Tampering Detection











Alarm









Alarm

iMEGALITE:









The iMEGAPRO lite series IP cameras offer 1080P recording at 15 FPS and provide day/night switching, WDR, Sense Up+ and PoE.





IMEGAPRO 3MP IP cameras				IMEGAPRO 1080P / 2MP IP cameras			
							
Number	IPR7334SX5 IPR7338SX5	IPR434ESX3.6 IPR438ESX3.6	IPG1032ESX3	IPR7424ESX3.6 IPR7428ESX3.6	IPR722ES4.3 IPR722ES6	IPR6122ESX3.6	IPR320ESX3.6
Type	3MP (D& N)	3MP (D& N)	3MP (D& N)	1080P (D& N)	1080P (D& N)	1080P (D& N)	1080P (D& N)
Lens choice	10 ~ 50 mm	3.3 ~ 12 mm	2.8 ~ 8 mm(CS Mount)	3.3 ~ 12 mm	4.3mm / 6mm	3.3 ~ 12 mm	3.3 ~ 12 mm
Iris	F1.8	F1.4	F1.2	F1.4	F1.6 / F1.8	F1.4	F1.4
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	2096 x 1561	2096 x 1561	2096 x 1561	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination (Low light mode)	0.3 Lux at F1.8	0.15 Lux at F1.4	0.1 Lux at F1.2	0.1 Lux at F1.4	0.15 Lux at F1.6 0.18 Lux at F1.8	0.1 Lux at F1.4	0.1 Lux at F1.4
FPS at max. resolution	15FPS (2048 x 1536) 30FPS (1920 x 1080)	15FPS (2048 x 1536) 30FPS (1920 x 1080)	15FPS (2048 x 1536) 30FPS (1920 x 1080)	30FPS	30FPS	30FPS	30FPS
Max. IR distance	60M	45M	-	35M	21M	18M	21M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	4	4	4	4	4	4	4
Sense Up +	Y	Y	Y	Y	Y	Y	Y
3D noise reduction	Y	Y	Y	Y	Y	Y	Y
2D WDR	Y	Y	Y	Y	Y	Y	Y
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1/1	1/1	1/1	1/1	-	1/1	-
IP rating	IP66	IP66	-	IP66	IP66	IP67	IP66
Operating temperature	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)
Power supply	AC24V/AC100~240V	AC24V/AC100~240V PoE+	DC12V PoE	AC24V/AC100~240V PoE+	DC12V PoE	DC12V PoE	PoE
Power consumption	33W(Heater Off) 40W(Heater On)	17W PoE+, 20W	DC12V, 6W PoE, 7.5W	14W PoE+, 16W	DC12V, 10W PoE, 11W	DC12V, 9W PoE, 10.2W	PoE, 10.2W
Mobile phone	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android
Audio capability	2-way	2-way	2-way	2-way	-	2-way	-
Other	Digital PTZ, Face / tamper / audio/ motion detection, SD / SDHC card	Digital PTZ, Face / tamper / audio / motion detection, SD / SDHC card	Digital PTZ, Face / tamper / audio/ motion detection, SD / SDHC card Built-in microphone	Digital PTZ, Face / tamper / audio/ motion detection, SD / SDHC card	Digital PTZ, Face / tamper / motion detection	Digital PTZ, Face / tamper / audio/ motion detection, Micro SD / SDHC card, Vandal resistant , 3-Axis construction	Digital PTZ, Face / tamper / motion detection, Vandal resistant

iMEGAPRO 1080P / 2MP IP cameras







						
Number	IPD6122ESX3.6	IPD2322ESX3.6	IPD2122ES4.3 IPD2122ES6	IPD6220ES4.3 (M12) IPD6222ES4.3 (RJ-45)	IPD2220ES4.3	IPG1022ESX3
Type	1080P (D& N)	1080P (D& N)	1080P (D& N)	1080P	1080P	1080P (D& N)
Lens choice	3.3 ~ 12 mm	3.3 ~ 12 mm	4.3 mm/ 6 mm	4.3mm	4.3 mm	3 ~ 10.5 mm (CS Mount)
Iris	F1.4	F1.4	F1.6 / F1.8	F1.6	F1.6	F1.4
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination (Low light mode)	0.1 Lux at F1.4	0.1 Lux at F1.4	0.15 Lux at F1.6 0.18 Lux at F1.8	0.6 Lux at F1.6	0.6 Lux at F1.6	0.1 Lux at F1.4
FPS at max. resolution	30FPS	30FPS	30FPS	30FPS	30FPS	30FPS
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	4	4	4	4	4	4
Sense Up +	Y	Y	Y	Y	Y	Y
3D noise reduction	Y	Y	Y	Y	Y	Y
2D WDR	Y	Y	Y	Y	Y	Y
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1/1	1/1	-	-	-	1/1
IP rating	IP67	-	-	IP67	-	-
Operating temperature	-35°C ~ +50°C (-31°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-35°C ~ +55°C (-31°F ~ 131°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)
Power supply	DC12V PoE	DC12V PoE	DC12V PoE	PoE(IPD6220ES) DC12V/ PoE(IPD6222ES)	PoE	DC12V PoE
Power consumption	DC12V, 6W PoE, 7.5W	DC12V, 6W PoE, 7.5W	DC12V, 5W PoE, 6W	PoE, 5W(IPD6220ES) DC12V, 4.5W/ PoE, 5W	PoE, 5W	DC12V, 6W PoE, 7.5W
Mobile phone	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android
Audio capability	2-way	2-way	-	1-way	1-way	2-way
Other	Digital PTZ, Face / tamper / audio /motion detection, Micro SD / SDHC card, Vandal resistant 3-Axis construction	Digital PTZ, Face/ tamper / audio /motion detection, Micro SD / SDHC card, Ceiling & embedded mount 3-Axis construction	Digital PTZ, Face / tamper / motion detection, 3-Axis construction	Digital PTZ, Face/ tamper /audio/motion detection, Micro SD / SDHC card , Built-in microphone, EN50155 (IPD6220ES), Vandal resistant	Digital PTZ Face/ tamper / audio/motion detection, Micro SD / SDHC card , Built-in microphone Support DC12V	Digital PTZ, Face / tamper / audio/motion detection, Micro SD / SDHC card Built-in microphone

iMEGALITE 1080P / 2MP IP cameras







								
Number	LR7424X LR7428X	LR7022	LR6122X	LD6122X	LD2322X	LD2122	LD2222	LB1022X
Type	1080P (D& N)	1080P (D& N)	1080P (D& N)	1080P (D& N)	1080P (D& N)	1080P	1080P	1080P (D& N)
Lens choice	3.3 ~ 12 mm	4mm/ 6mm	3.3 ~ 12 mm	3.3 ~ 12 mm	3.3 ~ 12 mm	4mm/ 6mm	4mm	3 ~ 10.5 mm (CS Mount)
Iris	F1.4	F1.6 / F1.8	F1.4	F1.4	F1.4	F1.6 / F1.8	F1.6	F1.4
Pick up element	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination (Low light mode)	0.25 Lux at F1.4	0.4 Lux at F1.6 0.5 Lux at F1.8	0.25 Lux at F1.4	0.25 Lux at F1.4	0.25 Lux at F1.4	1 Lux at F1.6 1.5 Lux at F1.8	1 Lux at F1.6	0.25 Lux at F1.4
FPS at max. resolution	15FPS(1920 x 1080) 30FPS(1280 x 720)	15FPS(1920 x 1080) 30FPS(1280 x 720)	15FPS(1920 x 1080) 30FPS(1280 x 720)	15FPS(1920 x 1080) 30FPS(1280 x 720)	15FPS(1920 x 1080) 30FPS(1280 x 720)	15FPS(1920 x 1080) 30FPS(1280 x 720)	15FPS(1920 x 1080) 30FPS(1280 x 720)	15FPS(1920 x 1080) 30FPS(1280 x 720)
Max.IR distance	30M	18M	16M	-	-	-	-	-
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	3	3	3	3	3	3	3	3
Sense Up +	Y	Y	Y	Y	Y	Y	Y	Y
3D noise reduction	Y	Y	Y	Y	Y	Y	Y	Y
2D WDR	Y	Y	Y	Y	Y	Y	Y	Y
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1/1	-	1/1	1/1	1/1	-	-	1/1
IP rating	IP66	IP66	IP67	IP67	-	-	-	-
Operating temperature	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)
Power supply	AC24V/ AC100~240V PoE+	DC12V PoE	DC12V PoE	DC12V PoE	DC12V PoE	DC12V PoE	DC12V PoE	DC12V PoE
Power consumption	14W PoE+, 16W	DC12V, 10W PoE, 11W	DC12V, 9W PoE, 10.2W	DC12V, 6W PoE, 7.5W	DC12V, 6W PoE, 7.5W	DC12V, 5W PoE, 6W	DC12V, 4.5W PoE, 5W	DC12V, 6W PoE, 7.5W
Mobile phone	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android
Audio capability	2-way	-	2-way	2-way	2-way	-	1-way	2-way
Other	Digital zoom, Audio / motion detection, Micro SD / SDHC card	Digital zoom, Motion detection	Digital zoom, Audio / motion detection, Micro SD / SDHC card, Vandal resistant 3-Axis construction	Digital zoom, Audio / motion detection, Micro SD / SDHC card, Vandal resistant 3-Axis construction	Digital zoom, Audio / motion detection, Micro SD / SDHC card, Ceiling & embedded mount 3-Axis construction	Digital zoom, motion detection, 3-Axis construction	Digital zoom, Audio / motion detection, Micro SD / SDHC card, Built-in microphone	Digital zoom, Audio / motion detection, Micro SD / SDHC card, Built-in microphone

IMEGAPRO 1.3MP IP cameras				IMEGAPRO 720P IP cameras			
							
Number	IPR414EMX3.6 IPR414EMX2.4 IPR418EMX3.6 IPR418EMX2.4	IPR712M4.3 IPR712M6	IPR31EMX3	IPR414ESX3 IPR418ESX3	IPR614ES4.3 IPR618ES4.3 IPR614ES6 IPR618ES6	IPD112S4.3	IPG012ESX4.2
Type	1.3MP (D& N)	1.3MP (D& N)	1.3MP (D& N)	720P (D& N)	720P (D& N)	720P (D& N)	720P (D& N)
Lens choice	3.3 ~ 12/ 9~22mm	4.3mm/ 6mm	3 ~ 9mm	3 ~ 9mm	4.3mm/ 6mm	4.3mm	2.8 ~ 12mm
Iris	F1.4	F1.8	F1.2	F1.2	F1.8	F1.8	F1.4
Pick up element	1/3" MOS	1/3" MOS	1/3" MOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Effective pixels	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 800	1280 x 800	1280 x 800	1280 x 800
Min. illumination	0.3 Lux at F1.4	0.5 Lux at F1.8	0.3 Lux at F1.4	2 Lux at F1.2	3 Lux at F1.8	3 Lux at F1.8	2.5 Lux at F1.4
FPS at max. resolution	30FPS	30FPS	30FPS	20FPS	20FPS	20FPS	20FPS
Max.IR distance	40M	21M	21M	40M	25M	-	-
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	H.264/AVC, Motion JPEG
Streams	3	3	3	4	4	4	4
Sense Up	Y	Y	Y	Y	Y	Y	Y
Digital I/O	1/1	-	-	1/1	-	-	1/1
IP rating	IP66	IP66	IP66	IP66	IP66	-	-
Operating temperature	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)	-25°C ~ +50°C (-13°F ~ 122°F)
Power supply	AC24V/AC100~240V PoE+	DC12V	PoE	AC24V/AC100~240V PoE+	AC24V/AC100~240V PoE+	DC12V	DC12V PoE
Power consumption	17W PoE+, 20W	DC12V, 10W	PoE, 10.2W	17W PoE+, 20W	12W PoE+, 13.5W	DC12V, 6W	DC12V, 6W DC12V, 7.5W
Mobile phone	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android
Audio capability	1-way	-	-	2-way	-	-	2-way
Other	Digital zoom	Digital zoom	Digital zoom, Vandal resistant	Digital zoom SD / SDHC card	Digital zoom	Digital zoom 3-Axis construction	Digital zoom SD / SDHC card Built-in microphone

Full HD Speed Dome IP Cameras

		 Coming soon	 Coming soon		 Coming soon	 Coming soon
Number	IPS6224M IPS6228M	IPS4204S IPS4208S	IPS4184S IPS4188S	IPS7224M IPS7228M	IPS5204S IPS5208S	IPS5184S IPS5188S
Type	1.3MP (D& N)	1080P (D& N)	1080P (D& N)	1.3MP (D& N)	1080P (D& N)	1080P (D& N)
Lens zoom ratio	22X Optical	20X Optical	18X Optical	22X Optical	20X Optical	18X Optical
Focal Length	4.7 mm ~ 103.4 mm	4.7 mm ~ 94 mm	4.7 mm ~ 84.6 mm	4.7 mm ~ 103.4 mm	4.7 mm ~ 94 mm	4.7 mm ~ 84.6 mm
Pick up element	1/3" Type MOS	1/2.8 Type CMOS	1/2.8 Type CMOS	1/3" Type MOS	1/2.8 Type CMOS	1/2.8 Type CMOS
Effective pixels	1280 x 1024	2096 x 1561	2096 x 1561	1280 x 1024	2096 x 1561	2096 x 1561
Min. illumination	ICR-Off Mode 0.07 Lux ICR-On Mode 0.03 Lux	ICR-Off Mode 0.5 Lux ICR-On Mode 0.095 Lux	ICR-Off Mode 0.5 Lux ICR-On Mode 0.1 Lux	ICR-Off Mode 0.07 Lux ICR-On Mode 0.03 Lux	ICR-Off Mode 0.5 Lux ICR-On Mode 0.095 Lux	ICR-Off Mode 0.5 Lux ICR-On Mode 0.1 Lux
Iris range	F1.6 ~ 360	F1.6 ~ 360	F1.6 ~ 360	F1.6 ~ 360	F1.6 ~ 360	F1.6 ~ 360
FPS at max. resolution	30FPS (1280 x 1024)	30FPS (1920 x 1080)	30FPS (1920 x 1080)	30FPS (1280 x 1024)	30FPS (1920 x 1080)	30FPS (1920 x 1080)
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Digital zoom ratio	10X	12X	-	10X	12X	-
Sense Up	256X	4X	Y	256X	4X	Y
Electronic shutter speed	Y	Y	Y	Y	Y	Y
Digital noise reduction	2D+3D	Y	Y	2D+3D	Y	Y
Wide dynamic range	Y	Y	Y	Y	Y	Y
Back light compensation	BLC+HLC	Y	Y	BLC+HLC	Y	Y
Preset	128	128	128	128	128	128
Alarm I/O	6/2	6/2	6/2	6/1	6/1	6/1
Schedule setting	Y	Y	Y	Y	Y	Y
IP rating	IP66	IP66	IP66	-	-	-
Operating temperature	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-10°C ~ + 50°C (14°F ~ 122°F)	-10°C ~ + 50°C (14°F ~ 122°F)	-10°C ~ + 50°C (14°F ~ 122°F)
Power supply	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V
Power consumption	25W (with Heater) 63W (with Heater)	25W (with Heater) 63W (with Heater)	25W (with Heater) 63W (with Heater)	15W	15W	15W
Mobile phone	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android
Audio capability	2-way	2-way	2-way	2-way	2-way	2-way

Full D1 Speed Dome IP Cameras



						
Number	IPS8364N / IPS8368N IPS8364P / IPS8368P	IPS8264N / IPS8268N IPS8264P / IPS8268P	IPS9364N / IPS9368N IPS9364P / IPS9368P	IPS9264N / IPS9268N IPS9264P / IPS9268P	IPS3124N / IPS3128N IPS3124P / IPS3128P	IPS2124N / IPS2128N IPS2124P / IPS2128P
Type	Full D1 (D& N)	Full D1 (D& N)	Full D1 (D& N)	Full D1 (D& N)	Full D1 (D& N)	Full D1 (D& N)
Lens zoom ratio	36X Optical	26X Optical	36X Optical	26X Optical	12X Optical	12X Optical
Focal length	3.3 mm ~ 119 mm	3.2 mm ~ 83.2 mm	3.3 mm ~ 119 mm	3.2 mm ~ 83.2 mm	3.8 mm ~ 45.6 mm	3.8 mm ~ 45.6 mm
Pick up element	Sony 1/4" 960H	Sony 1/4" 960H	Sony 1/4" 960H	Sony 1/4" 960H	Sony 1/4" Super HAD CCD	Sony 1/4" Super HAD CCD
Effective pixels	976 x 494 (NTSC) 976 x 582 (PAL)	976 x 494 (NTSC) 976 x 582 (PAL)	976 x 494 (NTSC) 976 x 582 (PAL)	976 x 494 (NTSC) 976 x 582 (PAL)	768 x 494 (NTSC) 752 x 582 (PAL)	768 x 494 (NTSC) 752 x 582 (PAL)
Horizontal resolution	650 TV Lines	650 TV Lines	650 TV Lines	650 TV Lines	540 TV Lines	540 TV Lines
Min. illumination	0.1 Lux at F1.4	0.2 Lux at F1.6	0.1 Lux at F1.4	0.2 Lux at F1.6	0.3 Lux at F1.6	0.3 Lux at F1.6
Iris range	F1.4 ~ 360	F1.6 ~ 360	F1.4 ~ 360	F1.6 ~ 360	F/1.6 ~ 360	F/1.6 ~ 360
FPS at max. resolution	30/25 FPS	30/25 FPS	30/25 FPS	30/25 FPS	30/25 FPS	30/25 FPS
Radiant distance	-	-	-	-	-	16M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, AVC, Level 3, Motion JPEG	H.264, AVC, Level 3, Motion JPEG
Digital zoom ratio	256X	256X	256X	256X	-	-
Electronic shutter speed	Y	Y	Y	Y	Y	Y
Digital noise reduction	2D+3D	2D+3D	2D+3D	2D+3D	Y	Y
Wide dynamic range	Y	Y	Y	Y	-	-
Back light compensation	BLC+HLC	BLC+HLC	BLC+HLC	BLC+HLC	Y	Y
Preset	128	128	128	128	128	128
Alarm I/O	3/1	3/1	3/1	3/1	1/1	1/1
Schedule setting	Y	Y	Y	Y	Y	Y
IP rating	IP66	IP66	-	-	-	-
Operating temperature	-35°C ~ +50°C (-31°F ~ 122°F)	-35°C ~ +50°C (-31°F ~ 122°F)	-10°C ~ +50°C (14°F ~ 122°F)	-10°C ~ +50°C (14°F ~ 122°F)	-10°C ~ +50°C (14°F ~ 122°F)	-10°C ~ +50°C (14°F ~ 122°F)
Power supply	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V	AC24V AC100~240V
Power consumption	25W (with Heater) 63W (with Heater)	25W (with Heater) 63W (with Heater)	15W	15W	11.5 W	13W
Mobile phone	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android	iPhone, iPad, Android
Audio capability	2-way	2-way	2-way	2-way	1-way	1-way

NVR Series (1080P real-time multi-touch)					Video Decoder
Number	NVR116D / NVR116	NVR109	NVR104	NVR404C	VD022
Type	1080P	1080P	1080P	1080P	1080P
IP video input	16	9	4	4	4
Max network throughput	48 Mbps	36 Mbps	24 Mbps	24 Mbps	24 Mbps
HDD disk	8 SATA	4 SATA	2 SATA	2.5" SATA (or SSD HDD)	-
External storage	e-SATA port	e-SATA port	e-SATA port	-	-
Resolution	1080P/ 720P/ D1/ VGA	1080P/ 720P/ D1/ VGA	1080P/ 720P/ D1/ VGA	1080P/ 720P/ D1/ VGA	1080P/ 720P/ D1/ VGA
Back up	USB, DVD/RW, HTTP, Audio supported	USB, DVD/RW, HTTP, Audio supported	USB, DVD/RW, HTTP, Audio supported	USB, DVD/RW, HTTP, Audio supported	HTTP, Audio supported
Monitor output	HDMI (1920 x1080P) VGA(Up to 1920 x1080P)	HDMI (1920 x1080P)	HDMI (1920 x1080P)	HDMI (1920 x1080P)	HDMI (1920 x1080P)
Alarm/event	DI x 8 / DOx 2 (NO/NC)	DI x 2 / DOx 2 (NO/NC)	DI x 2 / DOx 2 (NO/NC)	DI x 2 / DOx 2 (NO/NC)	DI x 2 / DOx 2 (NO/NC)
Remote controller	up to 255 NVRs	up to 255 NVRs	up to 255 NVRs	up to 255 NVRs	up to 255 NVRs
P/T/Z protocol	LILIN MLP1/2& Pelco D/ P	LILIN MLP1/ 2& Pelco D/ P	LILIN MLP1/2& Pelco D/ P	LILIN MLP1/2& Pelco D/ P	LILIN MLP1/2 over HTTP
Keyboard	PIH-931D	PIH-931D	PIH-931D	PIH-931D	PIH-931D
Audio out	RCA x 1	RCA x 1	RCA x 1	RCA x 1	RCA x 1
Web access	Live, playback, backup, menu configuration	Live, playback, backup, menu configuration	Live, playback, backup, menu configuration	Live, playback, backup, menu configuration	Live, menu configuration
Mobile phone	iPhone, iPad, Android, Blackberry	iPhone, iPad, Android, Blackberry	iPhone, iPad, Android, Blackberry	iPhone, iPad, Android, Blackberry	iPhone, iPad, Android, Blackberry
Multi-language	English, Chinese, Spanish, German, French, Portuguese, Italian, Turkish	English, Chinese, Spanish, German, French, Portuguese, Italian, Turkish	English, Chinese, Spanish, German, French, Portuguese, Italian, Turkish	English, Chinese, Spanish, German, French, Portuguese, Italian, Turkish	English, Chinese, Spanish, German, French, Portuguese, Italian, Turkish
Operating temperature	Temp: 0°C ~ +45°C Humidity: 0%~80%	Temp: 0°C ~ +45°C Humidity: 0%~80%	Temp: 0°C ~ +45°C Humidity: 0%~80%	Temp: 0°C ~ +45°C Humidity: 0%~80%	Temp: 0°C ~ +45°C Humidity: 0%~80%
Power supply	DC 12V/ 10A; 120W	DC 12V/ 6.67A; 80W	DC 12V/ 5A; 60W	DC 12V/ 4.2A; 48W	DC 12V/ 1.5A; 18W
Other	WS discovery, weighted recording, jog shuttle control, front panel, NVR116D: built-in Slim DVD/RW USB mouse control	WS discovery, weighted recording, front panel, USB mouse control	WS discovery, weighted recording, front panel, USB mouse control	WS discovery, USB mouse control	TV wall application, mouse control, virtual matrix, remote playback , remote backup, alarm management





Video Encoder	
Number	VS212
Type	960H
Video compression	H.264 , Motion JPEG
Resolution	960 x 480 (NTSC) 960 x 576 (PAL)
Frame rate	H.264 :up to 30/25 FPS
Video bitrate	128 Kbps ~ 3 Mbps
Alarm function	Image upload over FTP, E-mail by motion detection
Mobile phone	iPhone, iPad, Android
System integration	ONVIF & LILIN HTTP API
Video display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32
Video I/O	CVBS 1.0 Vp-p , 75 Ω , BNC connector
Audio I/O	Mono, 1.4 Vp-p , 50 KΩ 3.5mm phone jack
Alarm I/O	1/2
Operating temperature	0°C ~ + 50°C (32°F ~ 122°F)
Operating humidity	20% ~ 80% (non-condensing)
Power supply	DC 12V
Power consumption	4.5W
Other	SD / SDHC card, RS-485, Half-Duplex, MLP2, Pelco D/P protocols



CMX Software

	
Number	CMX HD3.6
Recording	Schedule, motion detection, manual
Live	up to 72 channels via two monitors
Recording speed	Up to 30 FPS (1080P)& ROI
Recording resolution	Full HD: 1920 x 1080, HD: 1280 x 768, D1: 720 x 480, VGA: 640 x 384, CIF: 320 x 240
Recording schedule	7 days x 24 hrs time table, recording mode configurable
Alarm recording	Face, audio, tamper, motion, DI
Audio recording	Y
RAID recording	Samba, eSATA, network neighborhood
Playback search	Time, event, date, POS smart search
Playback speed	FR / FF: 2X, 4X, 8X, 16X 32X
Playback compression	H.264, JPEG
Multi-channel playback	Up to 36 channels
Remote CMX playback	Up to 36 channels
Remote DVR playback	Y
Video input	Up to 72 IP cameras, DVR / NVR connections
Live display dual-screen	Up to 72 channels
Split screen	4, 9, 16, 36
TV wall	Dual monitors support up to 72 channels decoding
Alarm management	Alarm popup, PC sound, redirect IP camera DO, eMail snapshots, PTZ preset recall
Audio capability	PCM / G.711, 2 way, audio recording
POS/barcode scanner	Y
Backup	DVR / NVR, AVI, JPEG
Network mobile	iPhone, Android
OS	Windows 8/ Windows 7/ Vista/ Windows
Language	English, Chinese, Spanish, French, Italian, Japanese, Russian, Portuguese, German Simplified Chinese, Czech, Slovene

Central Management System

			
Number	CMX1036	CMX1072	CMX1108
Network video input	Up to 36 channels at 1080P	Up to 72 channels at 1080P	Up to 108 channels at 1080P
Network video format	H.264 / MJPEG		
Max network throughput	Max. 500 Mbps download and 500 Mbps upload speed		
RAID support	Hot-swap 3.5" SATA HDD x 8	Hot-swap 3.5" SATA HDD x 16	Hot-swap 3.5" SATA HDD x 24
Recording speed	Max 15 FPS(3MP), 30 FPS (2MP), ROI recording supported		
Recording resolution	2048 x 1536, 1920 x 1080, 1280 x 1024, 1280 x 768, (720 x 480 / 720 x 576), 320 x 240		
Alarm recording	Face detection, audio detection, tamper, motion, DI alarm detection, and ANPR (optional)		
Audio recording	Yes (need external sound card for audio out)		
Video archiving	Y		
Remote network RAID	Y		
Playback search	Date, time, event, POS smart search, plate search (optional)		
Video speed	Max. 15FPS (2048 x 1536), 30FPS(1080P)		
Remote CMX live video	Y		
Remote DVR/NVR video	Y		
Support quantity	Max. 36 channels	Max. 72 channels	Max. 108 channels
Grouping	User grouping authentication assignable for eMap, and CMX software HD 3.6		
HDMI output	x 1 / Max. 1080P		
TV wall	Dual screen, max. 36 channels	Dual screen, max. 72 channels	6 monitors, max. 108 channels
Split screen	4, 9, 16, 36		
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P resolution		
Multi-Screen	Dual-screen	Dual-screen	6 screens
Alarm management	Alarm popup for full screen, PC sound(need external sound card), redirect IP camera's digital output, eMail snapshots, redirect a PTZ preset recall		
Audio capability	PCM/G.711, two-way audio, audio recording (need external sound card for audio output)		
POS/ barcode scanner	RS-232 / PS/2		
RAID control	Software RAID	LSISAS2108 RAID on chip	LSISAS2108 RAID on chip
Language	English, Chinese, Spanish, French, Italian, Japanese, Russian, Portuguese, Simplified Chinese, Czech, Slovene, German		
Power supply	560W AC power supply AC Voltage 100-240 V, 50-60 Hz, 7.5 Amp max	500W high-efficiency AC Input: 100-240 V, 50-60 Hz, 6.1-2.6 Amp	920W high-efficiency (94%+) AC Input 100-240 V, 50-60 Hz, 11-4.5 Amp
Dimensions (H x W x D)	89 x 437 x 648mm	132 x 437 x 650mm	178 x 437 x 660mm

Speed Dome Bracket

Number	PIH-76WM	PIH-303B	PIH-303P	PIH-303PEX PIH-Z6	PIH-510CPM	PIH-520L	PIH-520HB	PIH-CPM	PIH-520G	PIH-520LB
Type	Wall mount	Wall mount	Pendant mount	-	Corner/ pole mount	Wall mount	Pendant mount	Corner/ pole mount	Swan neck	Wall mount
Matched model	Indoor	Indoor	Indoor	Indoor / outdoor	PIH-520LB, PIH-510L	Indoor / outdoor	Indoor / outdoor	PIH-520L	Indoor / outdoor	Indoor / outdoor

PoE Switch

Number	PMH-POE570WAT	PMH-POE08130WAT	PMH-POE08260WAT	PMH-POE08130WT4	PMH-POE16260W	PMH-POE16260WAT	PMH-POE24390WAT	PMH-EW24V
Port	5	8	8	8	16	16	24	24
Power supply	PoE ×4 or PoE+ ×2	PoE ×8	PoE ×8	PoE ×4	PoE ×16	PoE ×16 or PoE+ ×8	PoE ×24 or PoE+ ×12	-
Max power managed	70W	130W	260W	130W	260W	260W	390W	-
Network interface	10/100Mbps	10/100Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps
Gigabit port	-	-	2	2	-	2	2	-
Max power/ port	30W	15.4W	30W	30W	15.4W	30W	30W	-
19" Rack	-	-	Y	Y	Y	Y	Y	Y

PoE Injector & Splitter

Number	IJ1748D	IJ5056D	SL1212D1	SL4024A	SL4012D
Power supply support	17W	50W	12W	40W	40W
Output voltage	-	-	12VDC	24VAC	12VDC

Video Encoder Rack Mount

Number	BTE02S
Type	Rack mount
Matched model	For 8 pcs VS212 / VD022

About Merit LILIN

LILIN is a global IP video manufacturer with over 30 years of experience. Throughout the years, the company has maintained its dedication to Creativity, Progress, and Excellence providing expertise in digital video with a strong focus on innovation moving forward.



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