

simplicity as standard

Feature Guide for Series II & III iMEGAPRO

Sense Up Plus:

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 Plus utilises intelligent image signal processing with a highly sensitive CMOS sensor, AGC control and 3D noise reduction provide the ultimate low light image without any 'motion blur' or noise.

Colour



Colour Sense Up Plus



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





Face Detection



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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 metres.

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:

8 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

Tampering Detection





Alarm

Alarm

Network Products IMEGAPRO.





1080P HD Dome IP Camera





























IP CAMERA SERIES				
1080P HD Dome IP Camera				
Model		IPD2220ES4.3	IPD2220ES6	
F	ocal Length	4.3 mm	6 mm	
Lens Ir	ris	F1.6	F1.8	
200	angle of View	70°(H), 51°(V), 89°(D)	49.3°(H), 35.9°(V), 64.5°(D)	
Pick Up Element		1/2.7" CMOS image sensor		
Effective Pixels		1920 (H) x 1080 (V) = 2,073,600 (pixel)		
Chip Size		5.856mm (H) x 3.276mm (V)		
Scanning System		Progressive Scan		
Min. Illur	mination	0.6 Lux at F1.6	0.8 Lux at F1.8	
White Balance		Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2		
Back Light Compensation		Off / On		
Electronic Shutter		1/30(25)s ~ 1/8000s		
Sense Up		Off / 1 Frame / 2 Frames / 3 Frames / 7 Frames		
Sense Up Plus		Yes		
Auto Gain Control		36 dB Variable Gain		
3D Noise Reduction		Off / 1 ~ 32 Selectable		
2D WDR		Off / On		
Privacy Masking		Off / On (4 zones)		
Image Effects		Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip		
Operating Temperature		-25°C ~ +50°C (-13°F ~ 122°F)		
Dimension		Ф105 x 39mm		
Weight		250g		
Power Supply		PoE (IEEE 802.3af compliant)		
	onsumption	5W		



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Features

- Full HD 2 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- 3D noise reduction (MCTF)
- 2D WDR function
- Digital PTZ supported
- Face / Tampering / Audio / Motion detection alarm function
- Built-in highly sensitive microphone
- One-way audio supported
- Onvif supported
- Support Sense Up Plus and Quadruple Streaming technologies

Dimensions

Ф 105 x 39mm





(Unit:mm)

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NETWORK				
Video Co	mpression	H.264 , Motion JPEG		
Resolution		1080P(1920 x 1080), 720P(1280 x 720), D1(720 x 480), CIF(352 x 240)		
Multiple profile	Profile #1	H.264 1920x1080 @30fps, H.264 720x480 @30fps, JPEG 720x480 @25fps, JPEG 352x240 @25fps		
	Profile #2	H.264 1280x720 @30fps, H.264 720x480 @30fps, JPEG 352x240 @25fps		
	Profile #3	H.264 1920x1080 @30fps, H.264 720x480 30fps, JPEG 1280x720 @25fps		
	Profile #4	H.264 1920x1080 @30fps, H.264 720x480 30fps, JPEG 720x480 @25fps		
Video Str	eaming	RTP/HTTP, RTP/TCP, RTP/UDP		
		128Kbps ~ 5Mbps		
Video Bitrate		Frame rate and bit rate controllable on-the-fly		
		VBR / CBR / GOP supported		
		Base64 HTTP encryption		
Security		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 Function		Alarm / motion / tampering / face detection		
		triggering recording into SD card		
		Image upload over FTP and E-mail by face /		
		tampering / audio / 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		
		OS : Windows 2000, Windows XP, Windows Vista, Windows 7		
PC Requi	rement	Browser : Windows Internet Explorer 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		iPhone, iPad, and Android support		
System Integration		Onvif & LILIN HTTP API		
CMX		Support CMX HD 3.6		
Video Display		LILIN Universal ActiveX & LILIN Java Applet		
OS		Embedded Linux 2.6.32		
One-way Audio		G.711		
SD Card Recording		Support Micro SD/SDHC card for circular recording (card is not included)		