



Creativity Progress & Excellence

Network Product





IPD2220

1080P HD Dome IP Camera

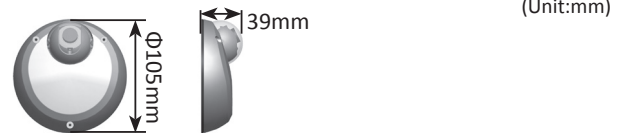
IMEGAPRO



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

Dimensions $\Phi 105 \times 39\text{mm}$



(Unit:mm)

IP CAMERA SERIES				
1080P HD Dome IP Camera				
Model	IPD2220ES2		IPD2220ES4.3	
Lens	Focal Length	2.8 mm	4.3 mm	
	Iris	F1.8	F1.6	
	Angle of View	H	105°	84.8°
		V	87°	45.2°
D	135°	100.6°		
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. Illumination	0.8 Lux at F1.8	0.6 Lux at F1.6		
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2			
Back Light Compensation	Off / On			
Electrical Shutter	1/30s – 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	$\Phi 105 \times 39\text{mm}$			
Weight	250g			
Power Supply	DC12V $\pm 10\%$ / PoE (IEEE 802.3af compliant)			
Power Consumption	DC12V, 4.5W / PoE, 5W			

NETWORK		
Video Compression	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 : up to 30 fps @ 1920 x 1080 , MJPEG : up to 30 fps @ 720 x 480
	Profile #2	H.264 : up to 30 fps @ 1280 x 720 , MJPEG : up to 30 fps @ 352 x 240
	Profile #3	H.264 : up to 30 fps @ 1920 x 1080 , MJPEG : up to 30 fps @ 1280 x 720
	Profile #4	H.264 : up to 30 fps @ 720 x 480 , MJPEG : up to 15 fps @ 1920 x 1080
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast	
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	
Users	10 user accounts available	
ePTZ & Digital Zoom	8 simultaneous users	
OSD	Yes, ROI is supported	
Alarm Function	Text overlay for date, time, and camera name Motion / tampering / face detection triggering recording into SD card	
CPU, Memory	Image upload over FTP and E-mail by face / tampering / audio / motion detection	
Maintenance	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory	
Network Interface	Firmware update via HTTP Firmware available at web site	
PC Requirement	10Mbps / 100Mbps Base-T, RJ-45	
Network Protocols	OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8 Browser : Windows Internet Explorer 6.0 or above CPU : Intel Pentium 4 1.8GHz or above RAM : 1GB or above, Independent Display Card	
Mobile phone	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF, SNMP	
System Integration	iPhone, iPad, and Android support	
CMX	ONVIF & LILIN HTTP API	
Video Display	CMX HD 3.6 support	
OS	LILIN Universal ActiveX & LILIN Java Applet	
One-way Audio	Embedded Linux 2.6.32	
SD Card Recording	G.711 / PCM	
	Support Micro SD/SDHC card for circular recording (card is not included)	