



**Creativity Progress & Excellence**

Network Product





# IPD6220ES / IPD6222ES

## 1080P HD Vandal Resistant Dome IP Camera



### 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
- Meets EN50155:2007 criteria for rolling stock applications
- 3D noise reduction (MCTF)
- 2D WDR function
- Digital PTZ supported
- Face / Tampering / Audio / Motion detection alarm function
- Impact Resistant Polycarbonate Dome Cover
- Built-in highly sensitive microphone
- One-way audio supported
- ONVIF supported
- Support Sense Up + and Quadruple Streaming technologies

### Dimensions $\Phi 115 \times 40\text{mm}$

(Unit:mm)



IP CAMERA SERIES			
1080P HD Vandal Resistant Dome IP Camera			
Model	IPD6220ES4.3	IPD6222ES4.3	
Lens	Focal Length	4.3mm	
	Iris	F1.6	
	Angle of View	H	70°
		V	51°
D		89°	
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	0.6 Lux at F1.6		
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 +	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		
IP Rating	IP67		
Regulatory Approvals	Rolling Stock, EN50155: 2007 compliance (shock, vibration, temperature, and EMC)	-	
Operating Temperature	-25°C ~ +55°C (-13°F ~ 131°F)		
Dimension	$\Phi 115 \times 40\text{mm}$		
Weight	310g		
Power Supply	PoE (IEEE 802.3af compliant)	DC12V $\pm 10\%$ / PoE (IEEE 802.3af compliant)	
Power Consumption	5W	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 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 & ROI	Yes, ROI is supported	
OSD	Text overlay for date, time, and camera name Motion / tampering / face detection triggering recording into SD card	
Alarm Function	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, M12 connector   10Mbps / 100Mbps Base-T, RJ-45	
PC Requirement	OS : Windows 2000, Windows XP, Windows Vista, Windows 7 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, RTP, Telnet, ONVIF, ICMP, IGMP	
Mobile Phone and PDA	iPhone, iPad, and Android support	
System Integration	ONVIF & LILIN HTTP API CMX HD 3.6 support	
Video Display	LILIN Universal ActiveX & LILIN Java Applet	
OS	Embedded Linux 2.6.32	
One-way Audio	G.711 / PCM	
SD Card Recording	Support Micro SD/SDHC card for circular recording (card is not included)	