



1080P Fixed 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
- 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 Profile S supported
- Impact Resistant Polycarbonate Dome Cover
- Meets EN50155:2007 criteria for rolling stock applications
- IP67 rain and dust resistant

Specifications

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Model	IPD6220ES4.3
Min. illumination/Low Light Mode (Colour)	0.2 Lux at F1.6
Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating temperature	-40°C – +50°C (-40°F – 122°F)
Storage temperature	-25°C – +60°C (-13°F – 140°F)
Operating humidity	0% – 90% RH
Power Supply	PoE (IEEE 802.3af compliant)
Power Consumption	5W
Lens	4.3mm
Iris	F1.6
Iris Control	Fixed IRIS
Angle of View	84.8° (H) 45.2° (V) 100.6° (D)
Pick Up Element	1/2.7" CMOS image sensor
Effective pixels	1920 (H) × 1080 (V) = 2,073,600 (Pixels)
Chip size	7.60mm (H) x 5.80mm (V)
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67
Regulatory approvals	Rolling Stock, EN50155: 2007 compliance (shock, vibration, temperature, and EMC)
CPU	Intel® Core™ i3 or higher grade
OS	Windows 7 or above
RAM	1GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	Ø115 × 40 mm
Weight	310g
Audio	One-way Audio, G.711 u-law / PCM, Built-in Microphone
Video Compression	H.264, Motion JPEG
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Number of streams	4

Video bitrate	128Kbps – 8Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	8 simultaneous users
Resolution	2MP(1920 × 1080), 1MP(1280 × 720), D1(720 × 480, 720 × 576), CIF(352 × 240)
Frame Rates	H.264 : up to 30 fps @ 1920 × 1080 ; MJPEG : up to 15 fps @ 1920 × 1080
Scanning System	Progressive Scan
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation (BLC)	Off / On
Electrical Shutter	1/30(1/25)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 / Auto / x2 / x3 / x4
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
Mobile phone	Integrated to LILIN mobile app (LILIN Viewer) iPhone, iPad, Android support
Video Management	ONVIF Profile S, LILIN Navigator Enterprise 2.0, Third party VMS through LILIN HTTP API
SD Card (recording)	Support Micro SD/SDHC card for circular recording (card is not included)
IVS Basic 1.0	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting

Alarm event triggers	Motion / Tamper / Audio / Face detection / Network lost detection
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SNMP Trap / Push Service notification
Network Interface/Ethernet	10/100 Mbps Base-T, RJ-45, M12 connector
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Max number of online users	8 simultaneous users