

Covert series | Pinhole IP Camera

IPC0122

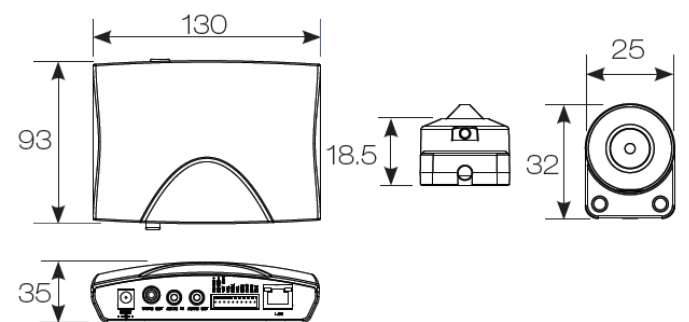
1080P Full HD Covert IP Camera

www.meritlilin.com



- ▶ Covert IP camera
- ▶ Easy to install and flexible mounting option
- ▶ Discreet and functional design
- ▶ Power over Ethernet
- ▶ Video surveillance for ATMs
- ▶ HD resolution with 5MP CMOS sensor
- ▶ For concealed applications
- ▶ 1080p HD resolution

Dimensions: 130mm(W) x 35mm(H) x 93mm(D) / Ø25 x 32mm

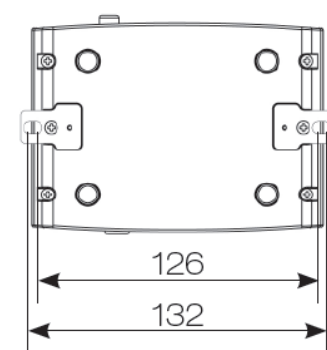


Automatic Teller Machine (ATM) Security Solutions

Perfect discreet camera solution to provide well-thought-out video surveillance in ATM environments

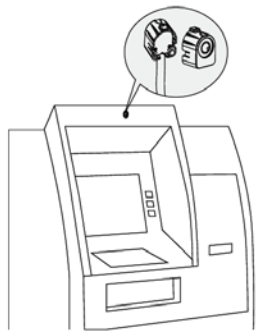
Covert ATM-fitted IP camera IPC0122 provides high definition live and recorded video. Covert series camera is featuring small size and light weight. LILIN covert IP camera comprises a main unit and a separate sensor unit which allows them to be mounted up to 6 meters apart. The unique form factor and small-sized sensor unit are able to perform embedded mounting at places where a concealed application is required.

Diagram of mounting holes (unit in mm):



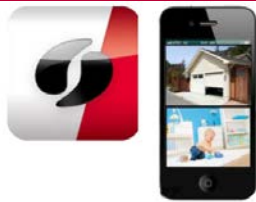
Exquisite Form Factor

The small size and form factor offer excess flexibility for ATM environments. The main unit and sensor unit are connected together by a 6-meter long cable in providing definite flexibility to place the sensor unit in one place and the main unit else where



Video Security App

Available on Android and iOS – **LILIN Pro** app provides security alarm push notification, real-time live viewing, and remote video playback



Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support



ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. IPC0122 camera is ONVIF Profile S conformant



Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example are not subject to surveillance



SD Cards in Sync with NAV Software

IPC0122 camera with built-in Micro SD/SDHC card slots can provide redundant video viewing and recording. You can synchronise an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)



Low Bandwidth Recording

IPC0122 covert IP camera delivers true high definition video. The camera streams clear 1080p at 30 frames per second while maintaining absolute low network bandwidth. The camera consumes lower bitrates, still transferring high quality images. Cover series is suitable for low bandwidth conditions without sacrificing the image quality.



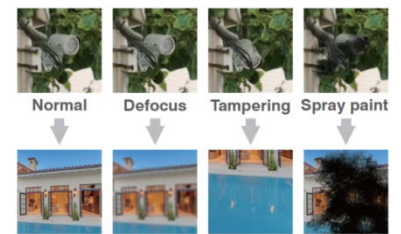
Wide Dynamic Range

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality



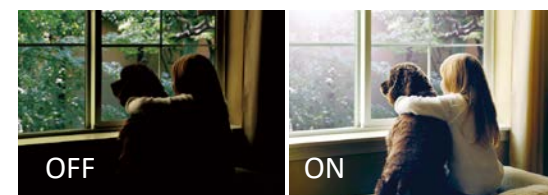
Tamper Detection

Automatically detects camera sabotage or failure. Detects any attempts to tamper with the camera – partially or completely blocking its lens or field of view



Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject in the foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light



Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert



Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders



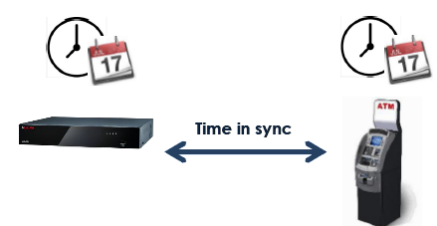
Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time



Time synchronization

Time synchronization between ATM transaction system and LILIN Network Video Recorders.



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Video performance & Power	
Model#	IPC0122P3
Min. Illumination	1.5 Lux at F2.8
Power consumption	DC12V, 6W / PoE, 7.5W
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)

Sensor	
Sensor type	1/2.7" CMOS image sensor
Effective pixels	1920 (H) x 1080 (V) = 2,073,600 (pixel)

Certifications	
CE	Yes, EMICLASSA
FCC	Yes, EMICLASSA

Lens			
Focal length		3.7 mm (Pinhole)	
Iris		F2.8	
Angle of View	H	100 °	
	V	56 °	
	D	114 °	

Environmental	
Operating temperature	-25°C-+50°C (-13°F-122°F)

PC requirement	
CPU	Intel Pentium 4 1.8GHz or above
OS	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
RAM	1GB or above, Independent Display Card
Web browser	Microsoft® Internet Explorer® 6.0 or later

Mechanical	
Dimensions	Main module: 130mm(W) x 35mm(H) x 93mm(D), Image sensor module: Ø25 x 32mm
Weight	Main module: 300g, Image sensor module: 180g

Input / output	
Live video output	CVBS 1.0Vp-p, 75 ohm, RCA connector
Audio input / output	Mono, 1.4 Vp-p, 50 KΩ, 3.5mm phone jack
Alarm input / output	Digital 2 input (TTL, +3 - 5VDC) / 1 Output (Relay dry contact N.O. / N.C., Load max. 24VDC/1A)
Image Sensor Module Input	RJ-12, 6 Pins

Video sreaming	
Video compression	H.264, Motion JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Bitrate	128Kbps-8Mbps Frame rate and bit rate controllable on-the-fly VBR / CBR / GOP supported
IP address filter	Yes
RTSP Authentication	On / Off

Integration	
Mobile application	Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support
Video management	ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API
Firmware	Firmware upgrade via HTTP Firmware available to download at meritlilin.com

Video resolution (H x V)		
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 functions	
Scanning system	Progressive scan
White balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Electrical shutter	1/30(1/25)s-1/8000s
Privacy masking	Off / on (4 zones)
Auto gain control	36 dB Variable Gain
Back Light Compensation	Off / On
Sense Up	Off / 1 Frame / 2 Frames / 3 Frames / 7 Frames
Sense Up+	Yes
Image effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
D/N quality setting	Yes

Network	
OS	Embedded Linux 2.6.32
Ethernet	10/100 Mbps Base-T (Tx), RJ-45
Connectivity	ONVIF Profile S
User accounts	8 simultaneous users
OSD	Text overly for date, time, and camera name
CPU, Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Video display	LILIN Universal ActiveX & LILIN Java Applet
Audio	Two-way Audio, G.711 u-law / PCM, External Microphone Required
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
Multi IP address	Yes

Network security	
Max number of online users	10 user accounts available
Access	Multiple user access levels with password protection
Encryption	Base 64 HTTP encryption

Main functions	
3D Noise Reduction	Off / 1-32 selectable
Alarm event triggers	Motion / Tamper / Audio / Alarm / Network loss detection
SD card recording	Support Micro SD/SDHC card for circular recording (card is not included)
2D Wide Dynamic Range	Off / auto / x2 / x3 / x4
ePTZ & digital zoom	Yes, ROI is supported
Control Interface	RS-485, Half-Duplex, support MLP2, Pelco D/P protocols
Sensing Input Interface	Temperature, humidity, PIR and light intensity reading interfaces (optional)
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SNMP Trap / Alarm Output / Push Service notification
Alarm weighted mode	Yes