

PTZ series | PTZ Camera

IPS3102E

10X Day & Night 1080P HD PTZ Camera

www.meritlilin.com



- ▶ PTZ camera
- ▶ 10X optical zoom
- ▶ IR cut filter for day/night operations
- ▶ 1080p HD resolution



Dimensions: Ø 135mm x 164mm



The IPS3102E is 10X Day & Night 1080P HD PTZ Camera. The high-speed PTZ is capable of streaming HD video at up to 30 FPS. Combine this with Digital Noise Reduction technology and adaptive tone reproduction and the contrast of images in bright or dark areas is dramatically improved. The high-speed dome is capable of streaming HD video at up to 30 FPS. Capable of making 360° continuous panning, users can accurately position the camera to identify specific targets.

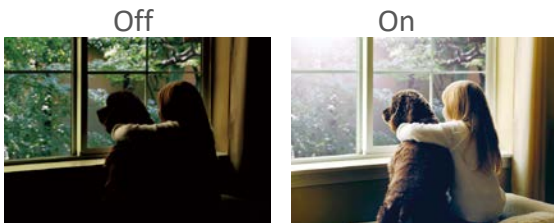
PTZ Control Function

Pan-Tilt-Zoom (PTZ) cameras are able to perform remote directional and zoom control. Capable of making 360° continuous rotations and 120° tilt angle, the cameras field of view can be quickly zoomed and repositioned as needed to identify specific targets



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



Video Security App

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



Day and Night Operations via Removal of the IR-cut filter

IPS3102E camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision



SD Cards in Sync with NAV Software

IPS3102E 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)



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



Two-way Audio Support

With 2-way audio communication, you can project your voice through the camera's speaker instead of hearing what's going on (1-way audio)



ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. IPS3102E PTZ camera is ONVIF Profile S conformant



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



10X Day & Night 1080P HD PTZ Camera

Video performance	
Model#	IPS3102E
Low Light Mode (Colour)	Color: 0.5 Lux at F1.8, Mono: 0.1 Lux at F1.8

Power	
Power consumption	11.5W / 13W
PoE+	High power PoE
Power supply	DC12V
	Power over Ethernet+

Sensor	
Sensor type	1/3" MOS Sensor
Effective pixels	1944(H) x 1092(V) = 2,122,848 Pixels
Total number of pixels	2010(H) x 1108(V) = 2,227,080 Pixels

Certifications	
CE	Yes
FCC	Yes

Lens	
Zoom ratio	10X optical zoom
Focal length	4.9mm -49mm
Minimum aperture ratio	1:1.8 (WIDE)-3.0 (TELE)
Minimum object distance	10m (TELE)
Iris	F1.8-F16, close
Angle field of view	Wide: 57.23° (H) 34.07° (V), Tele: 6.25° (H) 3.51° (V)

Pan & Tilt	
Panning range	360° Endless
Panning mode	Manual, Auto, Manual Position, Sequential Position
Panning speed	Manual approx. 0.5 °/s – 90 °/s 8 Steps, Preset approx. 1 °/s – 120 °/s 8 Steps
Tilting range	0°-90°
Tilting mode	Manual, Auto, Manual Position, Sequential Position
Tilting speed	Manual approx. 0.5 °/s -90 °/s 8 Steps, Preset approx. 1 °/s-120 °/s 8 Steps

Environmental	
Ambient operating temperature	-10°C-+ 50°C (14°F-122°F)
Operating humidity	0%-90%

PC requirement	
CPU	Intel Pentium 4 1.8GHz or above
OS	Windows 2000, Windows XP, Windows Vista, and Windows 7
RAM	1GB or above, Independent Display Card
Web browser	Microsoft® Internet Explorer® 6, 7, 8

Mechanical	
Dimensions (H x D)	164mm x 135mm
Weight	1150g approx.

Input / output	
Video output	CVBS 1.0 Vp-p / 75 Ω BNC

Video streaming	
Video compression	H.264, Motion JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Bitrate	128 Kbps to 5 Mbps Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported

Video resolution (H x V)	
1080p HD	1920 x 1080
720p HD	1280 x 720
D1	720 x 480
CIF	352 x 240
Frame rate	H.264: up to 30 FPS at 1080P (1920 x 1080)
	Motion JPEG: Up to 30/25 FPS at Full D1 resolution

Video functions	
Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto, Schedule
Scanning system	Progressive scan
White balance	ATW / AWC / Manual (1800K-10500K)
Electric shutter speed	Auto / Manual (1/30(25) to 1/10,000)
Adjustable settings	Sharpness
Back light compensation	OFF / HSBLC / BLC / WDR
Digital noise reduction	Off / On (2D, 3D)
Privacy zone	Off / ON (Up to 8 Zones Settings)
Auto mode	Off / AUTO / SEQ / TOUR / PATROL
Web PTZ control	Pan, tilt, zoom-in / zoom-out, absolute position, and video-click-n-move
Schedule setting	Off / Auto mode / Preset Position
Auto gain control	0 - 42dB
Digital effect	Off / Mirror
D/N quality setting	Yes

Integration	
Mobile application	Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support
Video management	ONVIF Profile S LILIN NAV 1.0 Third party VMS through LILIN HTTP API
SD card recording	Support Micro SD/SDHC card for circular recording (card is not included)
Firmware	Firmware upgrade via HTTP Firmware available to download at meritlin.com
Alarm event triggers	Image upload over FTP and E-mail by alarm / motion detection
Alarm event actions	FTP, SMTP, HTTP post, SD card, SAMBA
Alarm weighted mode	Support

Network	
Ethernet	10Mbps / 100Mbps, RJ-45
Connectivity	ONVIF Profile S
Users	8 simultaneous users
PTZ preset scheduling	Yes, via Web interface
OSD	Text overlay for date, time, camera name, and PTZ position
CPU, Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Video display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32
2-way audio	G.711
Protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP
Multi IP address	Yes

Network security	
User accounts	10 user accounts available
Access	Multiple user access levels with password protection
Encryption	Base 64 HTTP encryption
IP address filter	Yes
RTSP Authentication	On / Off

Main functions	
Control function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position
Digital zoom ratio	64X
Zoom speed	1 - 15 Selectable [15: approx. 5.0 second (In to Out) in manual mode]
Focus speed	1 - 15 Selectable [15: approx. 5.0 second (Far to Near) in manual mode]
Focus	Auto (Continue / Zoom Trigger / One Push), Manual Focus
Sense up (slow shutter)	OFF / Auto (x30)