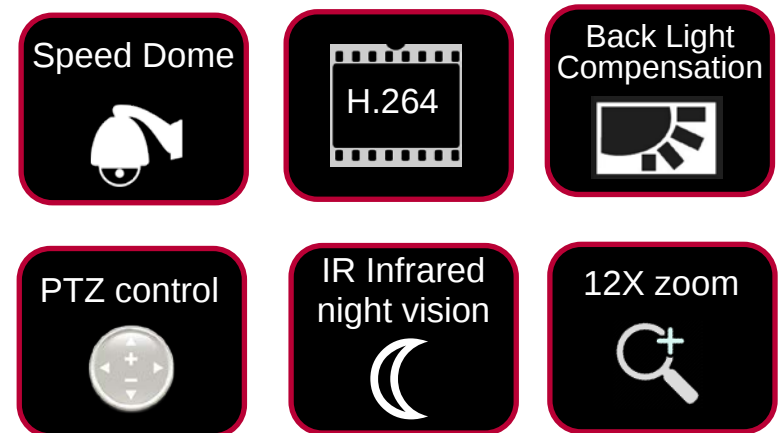


PTZ series | PTZ Camera

IPS2124N / 2128N / 2124N / 2128P

12X Day & Night IR PTZ Dome Camera

www.meritlilin.com



- ▶ PTZ camera
- ▶ Clear night vision with built-in IR infrared
- ▶ 12X optical zoom
- ▶ IR cut filter for day/night operations

Dimensions: Ø 135mm x 142mm

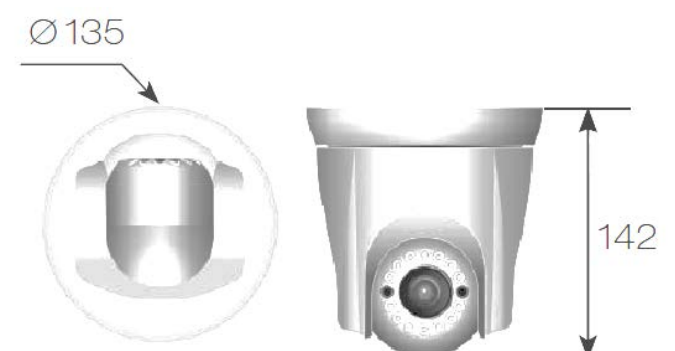
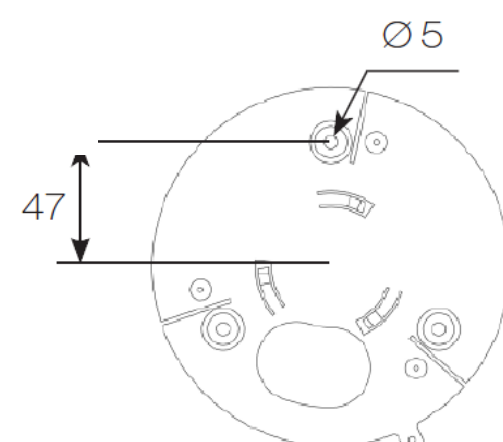


Diagram of mounting holes (unit in mm):



The IPS2124/ IPS2128 is 12X Day & Night IR PTZ Camera. The high-speed dome is capable of streaming HD video at up to 30 FPS. Auto focus Lens feature, 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



Video Security App

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



ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products.



IPS2124/2128 PTZ camera is ONVIF Profile S conformant

12X Optical Zoom

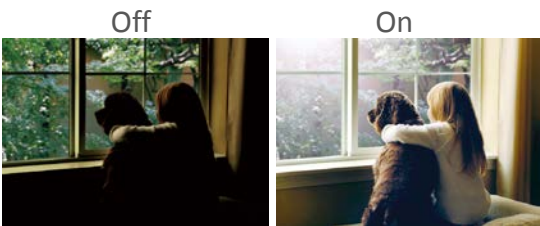
Remote pan/tilt/zoom operations with 12X optical lens makes it possible to zoom in on distant object with absolute clarity

With 12X Optical Zoom



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



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

IPS2124/2128 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



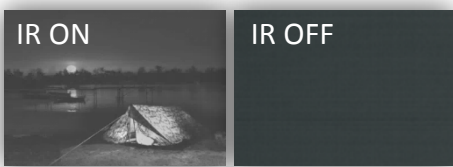
Motion Detection

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



IR Infrared Night Vision

Infrared PTZ options with built-in LEDs that are able to see in almost complete darkness, providing clear, detailed video clarity at night-time for round-the-clock video surveillance



Technical Specifications

IPS2124N / 2128N / 2124N / 2128P

12X Day & Night IR PTZ Dome Camera			
Video performance & Power			
Model#	NTSC	IPS2124N	IPS2128N
	PAL	IPS2124P	IPS2128P
Low Light Mode (Colour)		Color : 0.3 Lux at F1.6 , Mono : 0 Lux (IR ON)	
Power consumption		13W	
Power supply		AC 24V ±10%	AC 100V~240V

Sensor	
Sensor type	Sony 1/4" Super HAD CCD
Effective pixels	768 (H) x 494 (V) NTSC / 752 (H) x 582 (V) PAL

Certifications	
CE	Yes
FCC	Yes

Lens	
Zoom ratio	12X optical zoom
Focal length	3.8mm ~45.6mm
Minimum aperture ratio	1 : 1.6 (Wide)~2.7 (Tele)
Minimum object distance	1m (Tele)
Iris range	F/1.6~F/360
Angle field of view	Wide : 65.4°(D) 52.8°(H) 39.7°(V) Tele : 5.54°(D) 4.49°(H) 3.40°(V)

Pan & Tilt	
Iris	ALC (Adjustable output target level)
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
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
RAM	1GB or above ,Independent Display Card
Web browser	Microsoft® Internet Explorer® 5.0 or later

Mechanical	
Dimensions (H x D)	142mm x 135mm
Weight	1100g approx.

Input / output	
Video output	CVBS 1.0 Vp-p / 75 Ω BNC
Alarm input / output	1 input / 1 output (N.O. / N.C.)

Night vision (infrared LED)	
Distance	16m
Peak wavelength	850nm
Beam spread	30°

Network security	
User accounts	10 user accounts available
Access	Multiple user access levels with password protection
Encryption	Base 64 HTTP encryption

Video resolution (H x V)	
Resolution	Full D1 : 720 x 480 (NTSC) / 720 x 576 (PAL)
	CIF : 352 x 240 (NTSC) / 352 x 288 (PAL)
Frame rate	H.264 : up to 30/25 FPS at full D1 resolution
	JPEG : 1 FPS at CIF

Video functions	
Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto (ICR filter function), Schedule
Scanning system	2:1 Interlace
Scanning frequency	15.734 KHz (H) , 59.94 Hz (V) NTSC / 15.625 KHz (H),50 Hz (V) PAL
Synchronization	Internal
White balance	ATW / MWB selectable
Electric shutter speed	Auto / manual selectable(1/60 – 1/100,000 sec) NTSC / Auto / manual selectable(1/50 – 1/100,000 sec) PAL
Back light compensation	On / Off selectable
Privacy zone	On / Off selectable (up to 4 zones settings)
Auto mode	OFF / AUTO / SEQ / TOUR
Horizontal resolution	Color : 540 TV Lines , Mono : 600 TV Lines
Signal to noise ratio	More than 50 dB (AGC : Off)
Schedule setting	Day & Night / Auto mode / daylight saving time
Auto gain control	0~36dB selectable

Integration	
Mobile application	Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support
Video management	ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API
CPU, memory, maintenance	Firmware upgrade via HTTP Firmware available to download at meritilin.com Embedded SoC ARM926 , 166 Mhz , 64MB DDR , 4 MB flash memory

Network	
Ethernet	10Mbps / 100Mbps , RJ-45
Connectivity	ONVIF Profile S
Users	8 simultaneous unicast users (H.264) 8 simultaneous HTTP users (H.264) 8 simultaneous HTTP users (JPEG) Unlimited users using multicast (H.264)
OSD	Text overly for date, time , camera name, and PTZ position
OSD image watermark	Time / date and camera title
CAVLC / CABAC	Supported
CPU, Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Video display	VLC : H.264 HTTP , unicast , and multicast streaming ActiveX : for JPEG
Motion	15x10 motion detection zone Image upload over FTP and e-mail by motion detection
OS	Embedded Linux 2.6.9
Audio compression	G.711 / AAC
Protocols	IP, TCP, UDP, HTTP, SMTP, ESMTTP, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTP, RTSP, RTCP

Main functions	
Control function	Pan and tilt / zoom and focus / Iris and ICR / 128 preset position / home position
Zoom speed	1~15 selectable [15 : approx. 6.0 Second (tele to wide) in manual mode]
Focus speed	1~15 selectable [15 : approx. 3.0 Second (far to near) in manual mode]
Focus	Auto / one push
Control interface	RS-485 Half-Duplex
Password lock	Camera advance / presets / Privacy zones / factory initial
Image mirror	On / Off selectable
Peripheral Products	PoE injector (IJ5056D 50W), PoE splitter (SL4012D 40W)
Character display	On / off (preset id : 16 alphanumeric characters, zoom ratio , date / time, pan / tilt angle)

Video sreaming	
Video compression	H.264/AVC Main Profile, Level 3 (I / P / B frames) , Motion JPEG
Streaming	Simultaneous Motion JPEG and H.264 AVC Main Profile
	Program stream (PS) and transport stream (TS)
Bitrate	3 Mbps to 56 Kbps Frame rate and bitrate controllable on-the-fly VBR / CBR supported