IPS9364N / 9368N / 9364P / 9368P

36X Day & Night WDR 650TVL PTZ Dome Camera

www.meritlilin.com

Easy to install

Speed Dome

H.264

Back Light Compensation

2-way audio

PTZ control

Day / Night

36X zoom
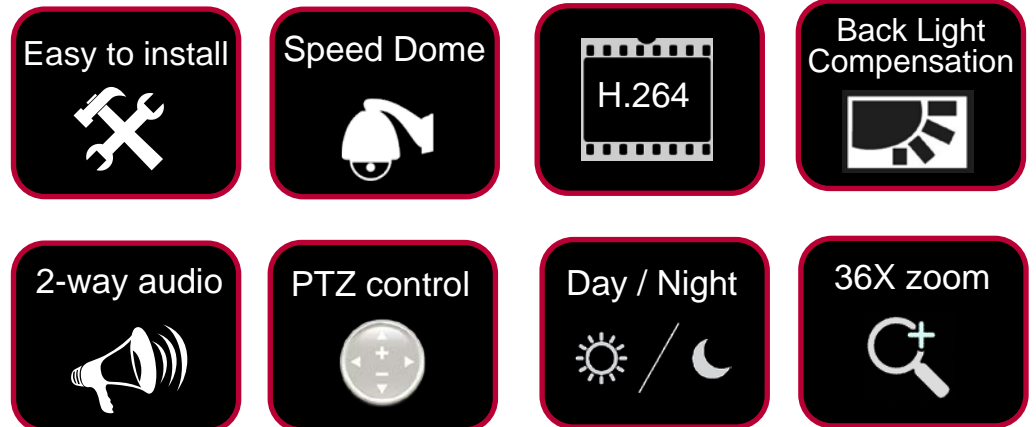
▸ PTZ camera

▸ Pan-tilt-zoom capabilities

▸ 36X optical zoom

▸ IR cut filter for day/night operations

Dimensions: Ø 155mm x 245mm

ONVIF S
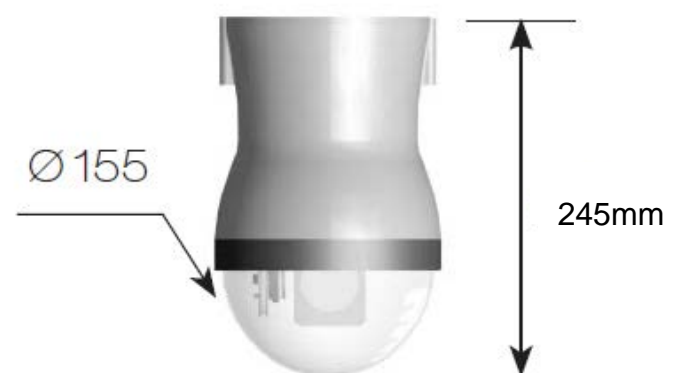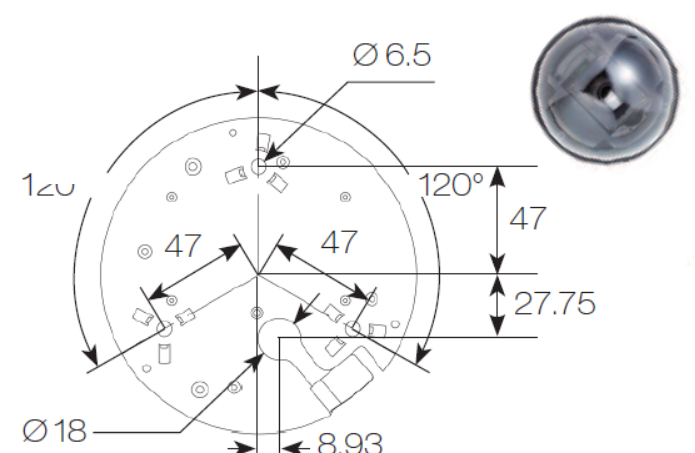
Ø 155mm

Ø 155

245mm

Diagram of mounting holes (unit in mm):

Ø 6.5
120°
47
120°
47
47
27.75
Ø 18
8.93
Ø 5

The IPS9364/IPS9368 is 36X Day & Night WDR 650TVL PTZ Dome IP Camera. The high-speed dome is capable of streaming HD video at up to 30 FPS. Featuring LILIN's Wide dynamic Range (WDR) feature, the IPS9364/IPS9368 captures highlights and shadows simultaneously, eliminating pixilation and smear. Combine this with 3D Noise Reduction technology and adaptive tone reproduction and the contrast of images in bright or dark areas is dramatically improved. Capable of making 360° continuous rotations, 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

Off   On

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 – **LILINViewer** 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

IPS9364N / 9368N / 9364P / 9368P 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
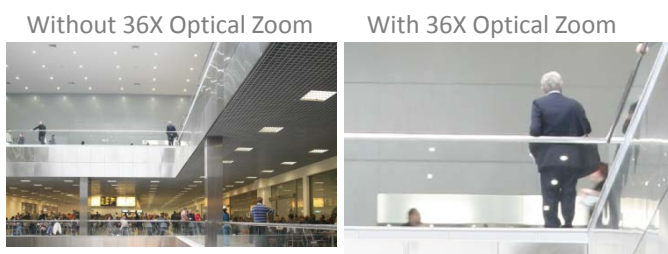
ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. IPS9364N / 9368N / 9364P / 9368P PTZ camera is ONVIF Profile S conformant

Motion Detection

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

36X Optical Zoom

Without 36X Optical Zoom   With 36X Optical Zoom

Remote pan/tilt/zoom operations with 36X optical lens makes it possible to zoom in on distant object with absolute clarity

Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders

SD Cards in Sync with NAV Software

IPS9364N / 9368N / 9364P / 9368P 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)

Noise Reduction

ON   OFF

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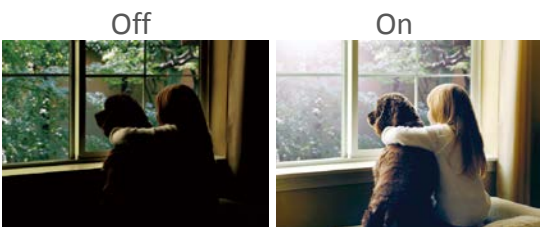
Two-way Audio Support

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)

Ceiling Mount

The IPS9364N / 9368N / 9364P / 9368P can easily be mounted to any ceiling

36X Day & Night WDR 650TVL PTZ Dome Camera

Video performance & Power

Model#	IPS9364N	IPS9368N	IPS9364P	IPS9368P
System	NTSC		PAL	
Low Light Mode (Colour)	Color : 0.1 Lux at F1.4 , Mono : 0.05 Lux at F1.4			
Power consumption	15W			
Power supply	AC24V	AC100～240V	AC24V	AC100～240V

Sensor

Sensor type	Sony 1/4" 960H	
Effective pixels	976(H) x 494(V)	976(H) x 582(V)
Total number of pixel	1028(H) x 508(V)	1028(H) x 596(V)

Certifications

CE	Yes
FCC	Yes

Lens

Zoom ratio	36X optical zoom
Focal length	3.3mm～119mm
Minimum aperture ratio	1 : 1.4 (Wide)～4.2 (Tele)
Minimum object distance	1.5m (Tele)
Iris range	F1.6～36.2 , Close
Angle field of view	Wide : 69.52° (D) 58.00° (H) 45.30° (V) / Tele : 2.20° (D) 1.72° (H) 1.38° (V)

Pan & Tilt

Iris	ALC (Adjustable output target level) / manual
Digital zoom ratio	256X
Panning range	360° Endless
Panning mode	Manual , Auto , Manual Position , Sequential Position
Panning speed	Manual approx. 0.15°/s～120°/s 8 Steps, 16 Steps / Preset approx. 1°/s～255°/s, Alarm Trigger Speed 360°/s
Tilting range	-6°～96°
Tilting mode	Manual , Auto , Manual Position , Sequential Position
Tilting speed	Manual approx. 0.15°/s～120°/s 8 Steps, 16 Steps / Preset approx. 1°/s ～255°/s, Alarm Trigger Speed 360°/s

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, Windows 7
RAM	1GB or above ,Independent Display Card
Web browser	Microsoft® Internet Explorer® 6.0 or later

Mechanical

Dimensions	Ø 155 mm x 245 mm
Weight	2300g approx.

Input / output

Video output	CVBS 1.0 Vp-p / 75 Ω BNC
Alarm input / output	3 input [Alarm in 1 − 3 (NC / NO) (TTL 5VDC)], 1 output (Alarm out NC / NO) (0.5A 120VAC,1A 24VAC)

Video sreaming

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)

960H	960 x 480 (NTSC)
	960 x 576 (PAL)
D1	720 x 480
CIF	352 X 240
Frame rate	H.264 : up to 30/25 FPS at 960H resolution
	Motion JPEG : up to 30/25 FPS at D1 resolution
Horizontal resolution	Color : 650 TV Lines , Mono : 700 TV Lines

Video functions

Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto, Schedule	
Scanning system	2:1 Interlace	
White balance	ATW / AWC / manual (1800K～10500K)	
Electric shutter speed	1/60 to 1/100,000 (For model#: IPS9364N/9368N)	1/50 to 1/100,000 (For model#: IPS9364P/9368P)
Scanning frequency	15.734KHz(H) / 60Hz(V)	15.625KHz(H) / 50Hz(V)
Synchronization	Internal / line lock selectable	
Back light compensation	OFF / ON	
Privacy zone	Off / on selectable (up to 8 zones settings)	
Auto mode	OFF / AUTO / SEQ / TOUR / PATROL(stop / play / learn)	
Schedule setting	Alarm input / Auto mode / daylight saving time	
Auto gain control	Off /low / middle / high	
Adjustable setting	Sharpness	
Digital effect	Off / V-flip / mirror / rotate	
Signal to noise ratio	More Than 50 dB (AGC : Off)	

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
Firmware	Firmware upgrade via HTTP Firmware available to download at meritlilin.com

Network

Ethernet	10Mbps / 100Mbps , RJ-45
Connectivity	ONVIF Profile S
Users	8 simultaneous users
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 supported	G.711
Protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP LILIN (MLP1,MLP2) / PELCO-D / PELCO-P / Panasonic / Kalatel

Network security

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

Main functions

Control function	Pan and tilt / zoom and focus / iris and icr / 128 preset position / home position / patrol
Zoom speed	Slow / mid. / Fast Selectable [fast : approx. 7.0 second (tele to wide) in manual mode]
Focus speed	Slow / mid. / Fast Selectable [fast : approx. 7.0 second (far to near) in manual mode]
Character display	On / off (preset id : 16 alphanumeric characters , zoom ratio , alarm message , date / time , pan / tilt angle)
Web PTZ control	Pan, tilt, zoom in / out, absolute position, and video-click-n-move
Alarm function	Image upload over FTP and E-mail by alarm / motion detection
Auto focus	Auto / One push
2D+3D Digital noise reduction	Off /low / middle / high
PTZ preset scheduling	Yes, via web interface
Exposure mode	Auto / Manual
Wide Dynamic Range	OFF / ON　(60 dB)
Control interface	RS-485 Transmission
Password lock	Function setup
Electronic image stabilizer	Off / on
Slow shutter speed	Up to 15 field
ATR (Adaptive tone reproduction)	Off / on (Low / middle / high)
HLC (High light compensation)	Off / on / auto