



**Creativity Progress & Excellence**

Network Product





# IPS9364 / IPS9368

## 36X Day & Night WDR 650TVL Speed Dome IP Camera (Indoor)



### Features

- 36X Optical Zoom Lens(3.3~119mm)
- 256X Digital Zoom
- 650 Horizontal TV Lines
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- Wide Dynamic Range
- 2D+3D Digital Noise Reduction
- High Light Compensation
- Digital Image Stabilizer
- Dynamic Privacy Zone Masking
- Up to 128 Programmable Preset Positions
- 2-way audio supported
- ONVIF supported



### Dimensions $\Phi$ 155 mm x 245 mm



(Unit:mm)

SPEED DOME IP CAMERA SERIES					
36X Day & Night WDR 650TVL Speed Dome IP Camera (Indoor)					
General	Model	IPS9364N	IPS9368N	IPS9364P	IPS9368P
	System	NTSC		PAL	
	Power Supply	AC24V	AC100~240V	AC24V	AC100~240V
	Power Consumption	15W			
	Image Pick-up Device	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)	
	Scanning System	2:1 Interlace			
	Scanning Frequency	15.734KHz(H) / 60Hz(V)		15.625KHz(H) / 50Hz(V)	
	Synchronization	Internal / Line Lock Selectable			
	Video Output	CVBS 1.0 Vp-p / 75 $\Omega$ BNC			
	Horizontal Resolution	Color : 650 TV Lines , Mono : 700 TV Lines			
	Signal to Noise Ratio	More Than 50 dB ( AGC : Off )			
	Minimum Illumination	Color : 0.1 Lux at F1.4 , Mono : 0.05 Lux at F1.4			
	Ambient Operating Temperature	- 10°C ~ + 50°C ( 14°F ~ 122°F )			
Operating Humidity	0% ~ 90%				
Dimension	$\Phi$ 155 mm x 245 mm				
Weight	2300 g				
Pan & Tilt	Panning Range	360° Endless			
	Panning Mode	Manual , Auto , Manual Position , Sequential Position			
	Panning Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s			
	Tilting Range	- 6° ~ + 96°			
LENS	Tilting Mode	Manual , Auto , Manual Position , Sequential Position			
	Tilting Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s			
	Zoom Ratio	36X Optical Zoom			
	Focal Length	3.3 mm ~ 119 mm			
	Minimum Aperture Ratio	1 : 1.4 (Wide) ~ 4.2 (Tele)			
	Minimum Object Distance	1.5 m (Tele)			
	Iris Range	F1.6 ~ 360 , Close			
Main Functions	Angle Field of View	Wide : 69.52° ( D ) 58.00° ( H ) 45.30° ( V ) / Tele : 2.20° ( D ) 1.72° ( H ) 1.38° ( V )			
	Control Interface	RS-485 Transmission			
	Protocol	LILIN ( MLP1,MLP2 ) / PELCO-D / PELCO-P / Panasonic / Kalatel			
	Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position / Patrol			
	Character Display	On / Off ( Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Alarm Message , Date / Time , Pan / Tilt Angle )			
	Password Lock	Function Setup			
	Digital Zoom Ratio	256X			
	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 ]			
	Auto Focus	Auto / One Push			
	Iris	ALC ( Adjustable Output Target Level ) / Manual			
	Day & Night	Day / Night / Auto / Schedule			
Electronic Image Stabilizer	Off / On				
Electronic Shutter Speed	1/60 to 1/100,000		1/50 to 1/100,000		
Slow Shutter Speed	Up to 15 field				

SPEED DOME IP CAMERA SERIES		
Main Functions	Exposure Mode	Auto / Manual
	Wide Dynamic Range	Off / On ( 60 dB )
	ATR ( Adaptive tone reproduction )	Off / On ( Low / Middle / High )
	BLC ( Back Light Compensation )	Off / On
	HLC ( High Light Compensation )	Off / On / Auto
	Sharpness	Adjustable
	White Balance	ATW / AWC / Manual (1800K ~10500K)
	Auto Gain Control	OFF / Low / Middle / High
	2D+3D Digital Noise Reduction	OFF / Low / Middle / High
	Auto Mode	OFF / AUTO / SEQ / TOUR / PATROL ( STOP / PLAY / LEARN )
	Privacy Zone	Off / On Selectable ( Up to 8 Zones Settings)
	Digital Effect	OFF / V-Flip / Mirror / Rotate
Alarm Input / Output	3 Input [ Alarm In 1 ~ 3 ( NC / NO ) (TTL 5Vdc) ] , 1 Output ( Alarm Out NC / NO ) (0.5A 120Vac,1A 24Vac)	
2-way audio supported	G.711	
Schedule Setting	Alarm Input / Auto Mode / Daylight Saving Time	

NETWORK	
Video compression	H.264 , Motion JPEG
Resolution	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
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP/Multicast 128 Kbps to 5 Mbps
Video bitrate	Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported Base64 HTTP encryption
Security	Multiple user access levels with password protection 10 user accounts available
Users	8 simultaneous users
Alarm Function	Image upload over FTP and E-mail by alarm / motion detection
CPU, memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Web PTZ control	Pan , tilt , zoom in / out , absolute position, and video-click-n-move
PTZ preset scheduling	Yes, via web interface
Maintenance	Firmware update via HTTP Firmware available at website
Network Interface	10Mbps / 100Mbps , RJ-45
Client PC requirement	OS : Windows 2000 , Windows XP , Windows Vista, Windows 7 Browser : Windows Internet Explorer 6, 7, 8 CPU : Intel Pentium 4 1.8GHz or above RAM : 1GB or above, Independent Display Card
Network protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF ,ICMP, IGMP
Mobile phone	iPhone, iPad, and Android support
System integration	ONVIF & LILIN HTTPAPI
CMX	CMX HD 3.6 support
Video display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32