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# ST9364 / ST9368

## 36X D/N WDR 650TVL Auto Tracking Speed Dome Camera (Indoor)



### Features

- 36X Optical Zoom Lens(3.3~119mm)
- 256X Digital Zoom
- 650 Horizontal TV Lines
- Wide Dynamic Range
- 2D+3D Digital Noise Reduction
- High Light Compensation
- Digital Image Stabilizer
- Dynamic Privacy Zone Mask
- Up to 128 Programmable Preset Positions
- Up to 256 Speed Dome Camera Configuration
- Auto Tracking

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



(Unit:mm)

Indoor Speed Dome Camera				
General	Name	36X D/N WDR 650TVL Auto Tracking Speed Dome Camera		
	Model	ST9364N	ST9368N	ST9364P ST9368P
	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 Operation Temperature	- 10°C ~ + 50°C ( 14°F ~ 122°F )		
	Operating Humidity	0% ~ 90%		
	Dimensions	$\Phi$ 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°		
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		
LENS	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	F1.4 ~ 360 , 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 )		

Indoor Speed Dome Camera			
Main Functions	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	
	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 ) / TRACKING	
	Privacy Zone	Off / On Selectable ( Up to 8 Zones Settings)	
Digital Effect	OFF / V-Flip / Mirror / Rotate		
Alarm Input / Output	6 Input [ Alarm In 1 ~ 6 ( NC / NO ) ] , 1 Output ( Alarm Out NC / NO )		
Schedule Setting	Alarm Input / Auto Mode / Daylight Saving Time		