



# ST8364 / ST8368

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



### 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
- Weatherproof IP 66

### Dimensions $\Phi$ 210 mm x 332 mm



#### Speed Dome Camera

Speed Dome Camera		36X D/N WDR 650TVL Auto Tracking Speed Dome Camera				
Name						
Model		ST8364N	ST8368N	ST8364P	ST8368P	
System		NTSC PAL				
Power Supply		AC24V	AC100–240V	AC24V	AC100–240V	
Power Consumption		25W (with Heater)	63W (with Heater)	25W (with Heater)	63W (with Heater)	
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)		
General	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				
	IP Rating	IP66				
	Ambient Operation Temperature	- 35°C – + 50°C ( -31°F – 122°F )				
	Operating Humidity	0% – 90%				
	Dimensions	$\Phi$ 210 mm x 332 mm				
	Weight	3200 g				
	Heater Activation	On: 15°C, Off: 25°C				
	Fan Activation	On: 35°C, Off: 25°C				
	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 )				

#### 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	