



- 1/4 inch SONY EXVIEW CCD
- $\pm 0.1^\circ$  preset accuracy 400°/s pan preset speed and 150°/s tilt preset speed
- 360° endless pan range
- H.264 video codec
- Fiber connector option

## Overview

These high-tech speed dome cameras which come with rugged weatherproof housing are perfect for indoor or outdoor applications. The weatherproof is standardized through the IP66 version. Full pan/tilt/zoom capability allows for 360 degree continuous monitoring. It is designed to operate in any weather conditions and also features a built-in heater. The cameras are perfect for monitoring businesses, buildings, streets, parking lots, etc especially as it also boasts of a 12x zoom along with privacy masking and alarm notification features. Unlike a fixed camera, a speed dome camera is able to Pan, Tilt and Zoom (PTZ) around the area that is installed.

The speed dome cameras have  $\pm 0.1^\circ$  preset accuracy and immaculate panning and tilting speed. It supports H.264, which is the

## Specifications

		SHSD220D/N SHSD220	SHSD210D/N SHSD210	SHSD200D/N SHSD200
Camera	Image Sensor	1/4 inch SONY EXVIEW CCD		
	Effective Pixels	PAL: 752 (H)×582 (V), NTSC: 768 (H)×494 (V)		
	Horizontal Resolution	480TVL		
	Signal System	NTSC / PAL		
	Min. Illumination	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.0Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.4Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)
	White Balance	ATW / Manual		
	AGC	Auto / Manual		
	S/N Ratio	Better than 50dB		
	BLC	ON / OFF		
	Electronic Shutter Speed	1/1~1/10,000s	1/4~1/10,000s	N: 1/4~1/10,000s P: 1/3~1/10,000s
	Day&Night	ICR	ICR	ICR
	Digital Zoom	Up to 12x		
	Privacy Masking	Up to 24 zones, while maximum 8 zones masked simultaneously in one image		
Auto Focus	Auto / Manual			
Lens	Zoom Ratio	4.1-73.8mm, 18x	3.5-91mm, 26x	3.4-122.4mm, 36x
	Zoom Speed	Approx. 2.1sec (Optical WIDE-TELE )		Approx. 4.0sec (Optical WIDE-TELE )
	Field of View	48° to 2.8° (WIDE-TELE )	42° to 1.6° (WIDE-TELE )	57.8° to 1.7° (WIDE-TELE )
	Min. Working Distance	290mm (WIDE), 800mm (TELE)	320mm (WIDE), 1500mm (TELE)	320mm (WIDE), 1500mm (TELE)
	Aperture Range	F1.4-F3.0	F1.4-F3.8	F1.6-F4.5

		SHSD220D/N SHSD220	SHSD210D/N SHSD210	SHSD200D/N SHSD200
Pan & Tilt	Pan Range	360° endless		
	Pan Speed	Manual: approx. 0.3°/s-160°/s or 0.3°/s-220°/s, 0.3°/s-300°/s, Programmable in Menu Preset: up to approx. 400°/s		
	Tilt Range	0°~90°(Auto flip)		
	Tilt Speed	Manual: approx. 0.5°/s-40°/s or 0.5°/s-60°/s, 0.5°/s-90°/s, Programmable in Menu Preset: up to approx. 150°/s		
	Proportional Pan/Tilt Control	YES		
	Preset Positions	200		
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan		
	Patrols	8		
	Patterns	4		
	Freeze Frame	-	Freeze Frame during Preset	
	AutoFlip	YES		
	Parameter Restore	Go to the speed dome last status after reboot		
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity		
PTZ Position Display	ON / OFF			
Network	Ethernet	10Base-T / 100Base-TX, RJ45 connector (Fiber Connector Option)		
	Image Resolution	PAL: 704×576, NTSC: 704×480		
	Frame Rate	25fps (704×576), 30fps (704×480)		
	Image Compression	H.264		
	Audio Compression	OggVorbis / 16kbps		
	Audio Mode	OFF / Audio input / Audio output		
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)		
	No. of Simultaneous Users	Up to 6 users		
	Dual Streams	Support dual streams simultaneously		
	Mini SD Memory Card	Manual REC / Alarm REC. Compatible SDHC Standard Cards		
	User/Host Level	3 Levels: Administrator, Camera control, Live only		
Security Measures	User authentication (ID and PW), Host authentication (MAC address)			
Client GUI	Camera Control	Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.		
	Camera Title	Up to 18 characters		
	Clock Display	Time: Week: Date, 6 formats on the Client		
Alarm	Alarm Input	2 channels input, priority is configurable		
	Alarm Output	2 channels relay output, alarm linkage is configurable		
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8, Pattern 1 ~ 4, SD card recording, Terminal output, Notification on Client.		
Input / Output	Monitor Output	1 V(DP) / 75 Ω NTSC (or PAL) composite BNC		
	Microphone Input	Mic In Applicable microphone; Plug in power type ) , 20k Ω Input impedance :		
	Audio Output	Audio out, Line level		
General	Menu Language	English, Chinese		
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive		
	Power Supply	24VAC (12VDC option)		
	Power Consumption	30W max (Heater ON)		
	Working Temperature/ Humidity	-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor), 90% or less (without condensation)		
	Water and Dust Resistance	Ip66 standard compatible (Just for outdoor dome), TVS 3000V limited lightning protection		
	Dimensions	6 inch , 240mm x 152mm x 80mm )		
Weight (approx.)	5kg			

**Contact:**