

SDP-430R ... 30x . IP-66 . WDR . Mask . ICR . SNR . Fan & Heater

Feature List

- IP-66 weather- resistant housing for outdoor
- Sony ExView CCD; 550 TV Lines Color/580 TV Lines B/W
- 30x Optical zoom + 8x Digital zoom
- Pan 360°(continuous); Tilt 180° : Speed up to 240°
- WDR (wide-dynamic-range) for environment adoption
- Mask x 8 for privacy protection
- DSS and SNR – super noise reduction for low-light surveillance
- Mechanical ICR (IR-cut Removal) for day-n-night
- Pattern + Group + Patrol + Tour + Line-scan
- 8 alarm-in + 2 alarm-out
- Pendant & Wall and Corner & Pole Mounting Brackets



SD Pro Series

feature

SDP-430R provides numbers of advanced features, such as 30x optical zoom, super noise reduction, wide dynamic range, high S/N ratio... for enhancing surveillance system's performance

30x Zoom . View farther

SDP-430R has 30x optical zoom and 8 x digital zoom. The 3.3 – 99mm focal range allows user to see enough wide or target at distance effectively.

The self-calibrating function built in the camera will re-align the SDP-430R periodically and automatically, ensuring the PTZ camera will run smoothly and correctly during its work.

High Resolution . Day-n-Night

SDP-430R PTZ uses Sony Ex-view CCD and provides 550-line high resolution image in color and detail, or 580-line super-high resolution in black-white when working in dark.

The SDP-430R lens has mechanical IR-cut filter which will be removed during low-light condition to allow IR illuminated image to pass onto CCD for forming viewable picture.

If no IR source is supplied in dark, the slow shutter (in OSD menu) may improve image's brightness by integrating two or more frames for one picture. The DSS function can be automatically off when light is enough, if it's set to AUTO.

IP-66 . High Speed . 360° + 180°

SDP-430R is IP-66 water resistant standard, with heater and fan built-in. Together with the power-management software in it, the SDP-430R is assured for reliable function in indoor and most outdoor surveillance.

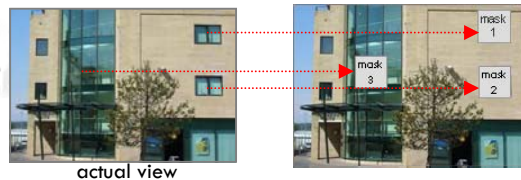
Moving speed of SDP-430R is ranged from 0.5 to 240° / sec, which is decided by user through controller (such as keyboard, DVR or video server). The SDP-430R moves continuously in horizontal direction, clockwise or counter-clockwise. For vertical direction, its mechanical system allows the camera move 180° continuously before hitting the edge, therefore may provide 180° scan and surveillance range along to vertical axis.

Mask for true Privacy

This model provides a great function – 8 masks to provide privacy for surveillance. The masks are interactive to PTZ positions so they actually are pasted onto targets after they are set and on.

Mask used for privacy protection is enforced by law in many places, and more states are implementing such rules.

Unlike most PTZ cameras can provide masks that DO NOT paste to the objects, SDP-430R's masks will. In SDP-430R, once the masks are set and enabled, they will be stuck onto the objects even through



actual view

when camera is rotating.

SNR ... super-noise-reduction

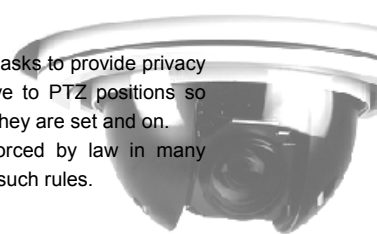
The SDP-430R camera's signal-to-noise ratio is more than 50dB, allowing the camera to deliver more clear image. Furthermore, its SNR function reduces video noise and ghost significantly that are usually seen in any ordinal camera when working in low light with slow shutter.

The noise appeared in low-light condition is actually the primary killer to the performance of DVR, in terms of recorded image quality and HDD space, and network streaming. The less-noise image given by SNR allows DVR longer record-time and higher FPS number for network surveillance, so that the overall efficiency of surveillance system could be remarkably increased.

WDR...Wide Dynamic Range

WDR is an exciting function created with contemporary digital image technology for dramatically improving contrast of picture that has target exposed under overwhelming light source (usually the natural sunlight) – which may drive the target become too dark due to the over-do of auto gain control.

WDR makes double exposures for each picture, with two different shutter speeds – one in normal speed and the other in high speed. It then super-impose the two to make one picture, and bring the contrast back into a normal range.



function		SDP-430R		
Image sensor	type	1/4-inch, Sony Ex-view CCD		
	pixel	NTSC / PAL	410K / 470K	
	scanning	lines / fields	555 / 60 (NTSC) , 625 / 50 (PAL)	
	Electronic shutter	1/60 (50) ~ 1/120,000 / sec		
video	resolution	Color mode / BW	550 / 580 lines	
	S/N ratio	> 50 dB		
	output level	1.0 Vp-p (75 ohms)		
optics and lens	zoom (optical / digital)	30x / 8x		
	iris	wide / tele	F1.6 ~ 3.2	
	focal-length	wide / tele	f 3.3 ~ 99 mm	
	Minimum luminance	color	0.4 lux (F=1.6)	
		Black / white	0.08 lux (F=1.6, B/W, ICR off)	
		Slow shutter max	0.003 Lux	
	IR-Cut Removal (ICR)	auto / manual		
	WDR range	high, mid, low, off; up to 52 dB		
	zoom	manual		
	focus	fully-auto / manual / one-push / zoom trigger		
	iris	auto / manual		
	slow shutter / frame integration	128x		
White balance	auto (indoor, outdoor, AWC) / manual			
pan & tilt	pan range	360° continuous		
	tilt range	0 ~180°		
	Speed	Horizontal – manual	0.25 ~ 240 ° / sec	
		Vertical - manual	0.25 ~ 240 ° / sec	
		Call preset (H/V)	240 ° / 240 °	
	dwll	second	1 to 255	
	preset	128		
	auto-run	swing, circle, all, group, tour, patrol, pattern		
auto-pan speed	horizontal	2, 6, 12, 30, 60, 120 ° / second		
	vertical	2, 6, 12, 30, 60, 120 ° / second		
connectivity	Video	BNC		
	Power	Terminal Block		
	RS485	Terminal Block		
	Alarm I/O	Terminal Block (input x 8 / output x 2)		
communication	protocol	Pelco D , Pelco P Lilin, Dynacolor, Hunda, Samsung		
	format	RS485		
	baud rate	2400, 4800, 9600		
	camera ID	255		
measurement	diameter x height	mm	219φ x 262 mm	
	weight	g	4200	
power	voltage	V	AC24V	
	Consumption	watts	40 W	
environment	temperature	operation	-30°F ~ 130°F -35°C ~ 55°C	
		storage	-4°F ~ 140°F -20°C ~ 60°C	
	humidity	operation	85% RH	
		storage	85% RH	

INDOOR	SDP-430R-I-W	SDP-430R-W	MOUNTING BRACKET			CONTROLLER	
						KB-1003	
	WALL	WALL	SD-WB10 Wall Mount Bracket	SD-PB10 Pendant/Ceiling Bracket	SD-EPP3 Extension Poles (3pcs Set, 1' ea.)	3-Axis Joystick Multiple Protocols User-Friendly	
	SDP-430R-I-P	SDP-430R-P				KB-1004	
PENDANT	PENDANT	SD-CB20 Corner Bracket Outward	SD-CB21 Corner Bracket Inward	SD-PB20 Pole Mount Bracket	3-Axis Joystick 3.5" LCD Monitor BNC Video Input Multiple Protocols RJ45 & RS485		

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