



Technical Specification

Model		TW-9300	
Image sensor	Type	1/4-inch, Sony Super HAD CCD	
	Active pixel	NTSC / PAL 410K / 470K	
	Scanning system	Lines / Fields 525 / 60 (NTSC) , 625 / 50 (PAL)	
	Electronic shutter	1/60 (50) ~ 1/100,000	
System	Resolution	480 TV lines	
	S/N ratio	> 48 dB	
	Power	AC 24V	
	Video output	1.0 Vp-p (75 ohms)	
	Camera ID	255	
Optical	Zoom ratio (optical / digital)	26x / 10x	
	Aperture size	Wide / Tele F1.6 ~ 3.8	
	Focal length	Wide / Tele f 3.5 ~ 91 mm	
	Minimum luminance	Color	0.5 lux
		Black / white	0.05 lux (Slow shutter on)
Camera	Zoom control	manual	
	Focus control	auto / manual	
	Iris control	auto / manual	
	Slow shutter	2 ~ 36x / auto – on / Off	
	White balance	auto (ATW or AWB) / manual	
	Image freeze	Yes	
	Motion detect	Yes	



Note: Design and Specifications are subject to change without prior notice

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Pan & Tilt	Pan range	360° continuous	
	Tilt range	0 ~ 180° rotation	
	Speed	Manual control	0.5 ~ 300 ° / sec
		Preset	240 ° / sec (horizontal), 180° / sec (vertical)
	Total preset point	64	
	Scan mode	A/B repeat, Group	
	Dwell for preset stop	1 to 255 /sec	
Auto pan speed	2 ~ 180 ° / sec		
Connector	Video	BNC	
	Power	DC jack	
	RS 485	Terminal Block	
	Alarm I/O	Terminal Block (input x 3 / output x 1)	
Protocol	Command	Pelco D , Pelco P	
	Communication	RS485	
Measurement	Diameter x Height	123 x 190 mm	
	Weight	1.5 kg	
	Power Consumptions	12 Watts	
Environment	Water-resistant level	IP-67	
	Temperature	Operation	-10°C ~ 50°C
		Storage	-20°C ~ 60°C
	Humidity	Operation	85% RH
Storage		85% RH	



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