



TSO-M308 & TSO-M208

2MP x30, x20 Zoom HD-SDI Speed PTZ Dome Camera

HD-SDI

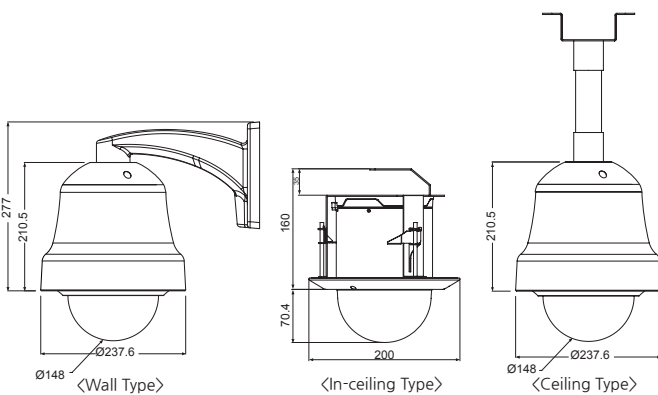


Features

- 1/3" 2MP Panasonic CMOS sensor
- 1080p@30/25fps, 720p@60/50fps, 720p@30/25fps
- HD-SDI, CVBS
- x30 Optical Zoom(4.3mm~129mm) & x32 Digital Zoom
- x20 Optical Zoom(4.7mm~94mm) & x32 Digital Zoom
- Day & Night(ICR)
- Real-time True WDR
- Digital Noise Reduction(2D+3D)
- Digital Image Stabilizer
- Privacy Mask Function
- High Light Compensation
- Defog Function
- 255 Presets, 8 Tours, 8 Scans, 4 Patterns, 16 Areas, 8 Alarms
- 360° Endless Pan Rotation
- RS-422, RS-485 communication
- Multiple Protocols
- -40°C~+60°C All weather High Tolerance
- Corrosion-resistant external PC housing
- Weather-proof IP66 outdoor housing
- Airflow Control System

Dimensions

Unit : mm



CAMERA	
Image Sensor	1/3" Panasonic CMOS Sensor
Total Pixels	1956 (H) x 1266 (V) = 2.48M Pixels
Active Pixels	1944 (H) x 1092 (V) = 2.12M Pixels
Video Format	1080p@30/25fps, 720p@60/50fps, 720p@30/25fps
Min. Illumination	Color(1/30s) : 0.5 lux , BW(1/30s) : 0.1lux Color DSS(1/7.5s) : 0.125 lux , BW DSS(1/7.5s) : 0.025 lux
S/N Ratio	more than 50dB (AGC off)
Video Output	HD-SDI, CVBS

LENS	x30			x20			
	Lens Type	30x Day & Night Zoom Lens			20x Day & Night Zoom Lens		
Zoom Ratio	Optical x30, Digital x32 Zoom			Optical x20, Digital x32 Zoom			
Focal Length	f = 4.3 mm ~ 129.0 mm			f = 4.7 mm ~ 94.0 mm			
Aperture Ratio	F1.6 (wide) ~ F4.7 (tele)			F1.6 (wide) ~ F3.5 (tele)			
Angle Of View (D, H, V)	WIDE	71.3°	58.9°	45.3°	62.7°	55.4°	32.6°
	TELE	2.58°	2.11°	1.61°	3.3°	2.9°	1.6°

PAN / TILT	
Pan	360° Continuous Pan, 0.1° to 120°/sec
Pan Speed	360°/sec, ± 0.1° Accuracy
Tilt	0° to 90° tilt angle, 0.1° to 120°/sec.
Tilt Speed	250°/sec, ± 0.05° Accuracy
Presets	255 points, less than 0.1° accuracy

CAMERA FUNCTIONS	
Camera Title	ID / Title / Zoom Ratio / System Message
Day & Night	Auto / Day / Night / Ext-in
WDR/BLC	Off / WDR / BLC / HLC
ACE	Off / Low / Middle / High
DNR	Auto / Off / Low / Middle / High
Defog	Off / On(Auto / Manual)
Digital Image Stabilizer	Off / On
Privacy Mask	Off / On (24 positions)
Digital Slow Shutter	Off /x2 /x4
Gain Control	Off / On
White Balance	Auto / One Push / Manual / Indoor / Outdoor
Shutter Speed	1/30(25) ~ 1/30,000 sec
E.Zoom	Off / x2 ~ x32
Digital Flip	Off / H / V / H&V
Digital I/O	8 alarm / 2 relay out
Remote Control Interface	RS-422, 485
Protocol	Pelco-D / Pelco- P / WONWOO

GENERAL	
Power Source	AC21~26V 60Hz / 50Hz(Power adaptor not included)
Power Consumption	12W / Max 75W(Fan & Heater)
Operating Temperature	-40°C ~ +60°C / 0% ~ 90% RH
Ingress Protection	IP66
Material	Aluminum
Dimensions	237(Ø) x 310(H) mm
Weight	3.8Kg

IP PTZ

IP IR CAM

IP BOX

IP CAM

HD PTZ

HD IR CAM

HD BOX

HD CAM

AHD CAM

CONTROLLER

MULTI TESTER