

TSO-M308/M208

2MP 30x, 20x Zoom HD-SDI Speed PTZ Dome Camera

HD-SDI

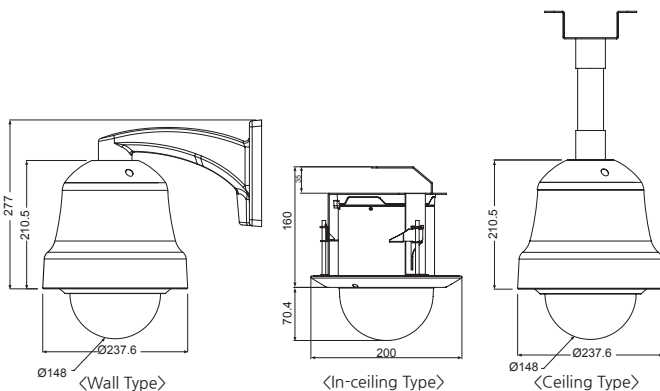


Features

- 2MP High Resolution Video output
- HD-SDI, CVBS
- 30x Optical Zoom(4.3mm~129mm) & 32x Digital Zoom
- 20x Optical Zoom(5.2mm~104mm) & 32x Digital Zoom
- Day & Night(ICR)
- Real-time True WDR
- Digital Noise Reduction(2D+3D)
- Digital Image Stabilization
- Privacy Mask Function
- High Light Compensation
- Defog Function
- 255 Presets, 8 Tours, 8 Scans, 4 Patterns
- 360° Endless Pan Rotation
- RS-422, RS-485 communication
- Supports 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



MODEL	TSO-M308	TSO-M208
CAMERA		
Image Sensor	1/3" Panasonic CMOS Sensor	1/2.8" Sony Starvis CMOS Sensor
Total Pixels	1981 (H) x 1288 (V) = 2.55M Pixels	1945 (H) x 1109 (V) = 2.16M pixels
Active Pixels	1944 (H) x 1212 (V) = 2.35M Pixels	1937 (H) x 1097 (V) = 2.12M pixels
Video Format	1080p@30/25fps, 720p@60/50fps, 720p@30/25fps	
Min. Illumination	Color	0.05 lux / DSS 0.002 lux
	BW	0.005lux / DSS 0.0001 lux
S/N Ratio	more than 50dB (AGC off)	
Video Output	HD-SDI, CVBS	

LENS	30x	20x
Lens Type	30x Day & Night Zoom Lens	20x Day & Night Zoom Lens
Zoom Ratio	Optical 30x, Digital 32x Zoom	Optical 20x, Digital 32x Zoom
Focal Length	f = 4.3 mm ~ 129.0 mm	f = 5.2 mm ~ 104 mm
Aperture Ratio	F1.6 (wide) ~ F4.7 (tele)	F1.5 (wide) ~ F3.5 (tele)
Angle Of View (D, H, V)	WIDE	72.9° 65.1° 38.4°
	TELE	2.64° 2.34° 1.36°

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
Preset	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)
Image Stabilization	Off / On
Privacy Mask	Off / On (24 positions)
Digital Slow Shutter	Off / x2 / x4 / x8 / x16 / x32
Gain Control	Off / On 0 ~ 10 steps
White Balance	Auto / One Push / Manual / Indoor / Outdoor
Shutter Speed	1/30(25) ~ 1/30,000 sec 1/30(25) ~ 1/60,000 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