

# TCAM-270L (x10)

## Compression Algorithm

- High quality of H.264 compression algorithm

## Fast & Silent Motion

- No Accumulative error with preset function
- Shortest path by vector drive technology
- High accuracy with micro-stepping control technology
- Smooth Motion at high zoom magnification mode
- Lightning speed (Max.360°/sec) Smooth manual speed (Min.0.05°/sec)
- Lowest noise & Lowest vibration
- Endless 360°/sec Pan rotation

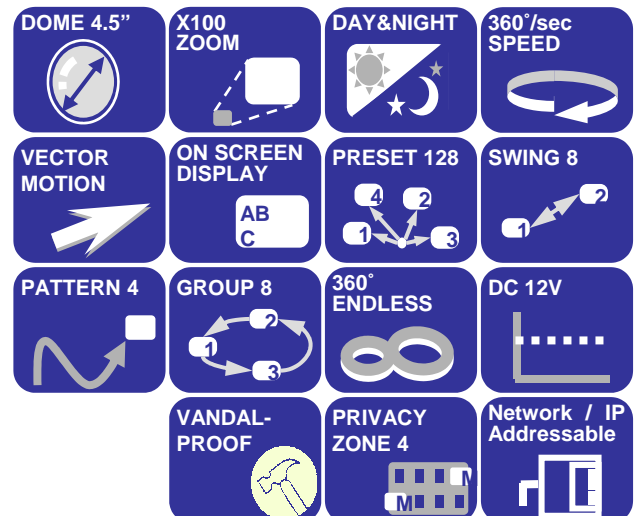
## Superior Zoom camera

- x100 Zoom control (Optical x10, Digital x10)
- Day & Night(IR Cut Filter)

## Powerful Functions

- Independent preset characteristic setup (AE, WB and etc.)
- 128 preset positions with Alphanumeric labels
- 4 pattern, 8 swing and 8 group functions
- 4 privacy zones ( spherical coordinates)
- System image flip by installation type
- Auto flip, Auto parking, power-up action
- Frame freeze function
- On-screen display on/off
- Built-in sensor In/Out function (4 in)
- Built-in Fan/Heater
- IP66 weatherproof
- Small size / Vandal-proof(Dome cover : PC/Housing & Accessories : AL)

## H.264 IP Mini PTZ Camera



## TCAM-270L Specifications

# Specification & Design are subject to change without prior notice.

Section		Specification	
Signal Format		NTSC	PAL
Camera	Image Device	1/4" Interline Transfer CCD	
	Total Pixel	410K Pixels [811(H) x 508(V)]	470K Pixels [795(H) x 596(V)]
	Effective Pixel	380K Pixels [768(H) x 494(V)]	440K Pixels [752(H) x 582(V)]
	H. Resolution	500 TV Lines(Color), 570 TV Lines(B/W)	
	S/N Ratio	50dB (AGC Off)	
	Zoom	x10 Optical Zoom and x10 Digital Zoom	
	Focal Length	F1.8, f=3.8 ~ 38mm	
	MIN. Illuminance	0.7 Lux (Color) / 0.02 Lux (B/W) @ 50 IRE	
	Day & Night	Auto / Day / Night (IR Cut Filter)	
	Focus	Auto / Manual / Semi-Auto	
	Iris	Auto / Manual	
	Shutter Speed	x128 ~ 1/120000 sec	
	AGC	Normal / High / Off	
	White Balance	Auto / Manual (Red & Blue Gain Adjustable)	
	BLC	Low / Middle / High / Off	
	Flickerless	Selectable	
	SSNR	Low / Middle / High / Off	
Other Functions	Frame Freeze Function, System Image Flip by Installation Type		
Video	Standards	H.264 compression algorithm	
	Data Rate	32Kbps ~ 4Mbps	
	Resolution	NTSC : 720x480, 720x240, 352x480, 352x240 PAL : 720x576, 720x288, 352x576, 352x288	
	Max Frame Rate	NTSC : Max 30fps / PAL : Max 25fps	
	Frame Rate Range	NTSC : 0.2 ~ 30fps / PAL : 0.2 ~ 25fps	
Network	Network Interface	Ethernet 10/100Base-T (RJ-45)	
	Network Protocol	TCP/IP, UDP, Multicast, DHCP, SMTP, HTTP, SNMP, RTP, RTSP	
Pan/Tilt	Range	Pan : 360°(Endless)	
		Tilt : 180°(Auto-Flip On) , 95°(Auto-Flip Off)	
	Pan/Tilt Speed	Preset : 360°/ sec	
		Manual : 0.05°~ 360°/ sec (Zoom Proportional)	
		Swing : 1°~ 180°/ sec	
	Preset	128 x Presets with Labels / Independent Preset Characteristic Setup	
	Pattern	4 x Patterns (Approx. 5 Minutes for Each Pattern)	
	Swing	8 x Swings	
Group	8 x Groups (MAX. 20 Entries for Each Group)		
Other Functions	Image Auto Flip, Auto Parking, Power-up Action & etc.		
Software	True CMS/Web Viewer	Live Monitoring, Recording, Search & Playback, Backup	
General	Communication	1 x RS-485	
	Protocol	Pelco-D, Pelco-P Selectable	
	Privacy Zone	4 x Zones	
	OSD	English On / Off	
	Power	DC Type : DC 12V / 1.3A	
	Dimension	Dome : ø 115 mm / 4.5"	
		Housing : 168(ø) x 160.5(H) mm / 6.6" (ø) x 6.3" (H)	
	Weight	Approx. 2.2 Kg / 4.8 Lbs	
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F		