



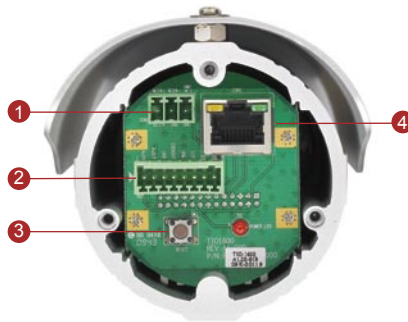
TCM-1231/TCM-1232

H.264 Megapixel Outdoor IP IR Bullet Camera



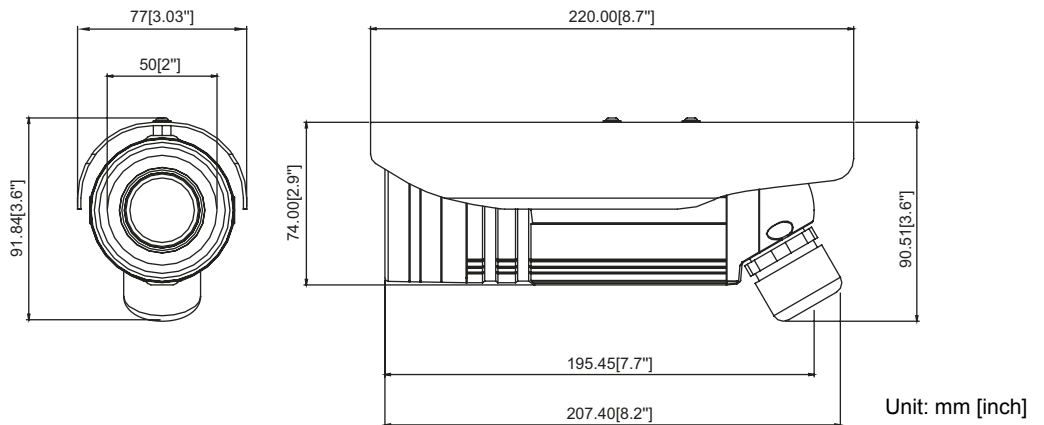
* The bracket needs to be purchased separately.

- 1/3" Micron Progressive Scan CMOS
- Day and night function with Mechanical IR Cut Filter
- Integrated f3.3 ~ 12 mm / F1.6 Megapixel varifocal lens
- 0 Lux (IR LED ON)
- H.264 / MPEG-4 SP / MJPEG triple codec with two simultaneous streams
- Up to SXGA resolution at 18 FPS
- Wide Dynamic Range function supported
- Shutter Speed, White Balance, Exposure, Gain Controls supported
- Two-way audio supported
- Hardware motion detection, Digital Input / Output
- DC 12V or Power over Ethernet (IEEE 802.3af) supported (TCM-1231), or AC 24V power source supported (TCM-1232)
- IP66 weatherproof supported



- ① DC 12V / AC 24V Power Input
- ② Audio & Digital Input / Output
- ③ Reset Button
- ④ Ethernet Port

DIMENSION DIAGRAM





TCM-1231/TCM-1232

PRODUCT SPECIFICATION

		TCM-1231	TCM-1232
Image	Device	Micron Progressive Scan CMOS	
	Size	1/3 inch	
	Effective Pixels	1280(H) x 1024(V)	
Min. Scene Illumination	Color	Color mode automatically switched to B/W mode under 4 Lux	
	B/W	0 Lux (IR LED ON)	
	IR Sensitivity	from 700 nm to 1100 nm	
	IR LED	IR LED x 24 (850nm)	
	CDS Sensor	Yes	
	IR Working Distance	20 ~ 30 M(30 IRE)	
	Focal Length	f3.3 ~ 12 mm / F1.6	
Lens	Viewing Angle	76.5° ~ 21.7° (Horizontal)	
	Sync. System	Internal	
Day/Night Functions	Mechanical IR Cut Filter	Yes	
Functions	Motion Detection	Yes (3 Windows)	
	Electronic Shutter	1/5 ~ 1/15,000 sec	
	Fixed Shutter (Manual)	1/30 ~ 1/1,000 sec. (60Hz)	
		1/25 ~ 1/1,000 sec. (50Hz)	
	Flickerless	1/120 sec. (60Hz) 1/100 sec. (50Hz)	
	AGC	Automatic (User defined)	
	White Balance	AUTO, INDOOR1, INDOOR2, OUTDOOR1, OUTDOOR2, HOLD CURRENT, MANUAL	
Wide Dynamic Range	Yes		
S/N Ratio	S/N Ratio	Better than 44 dB	
	Compression	H.264/ MPEG-4 SP/ MJPEG simultaneous dual streams selectable	
Video Compression	Picture Resolution	SXGA (1280x1024); HD720 (1280x720); VGA (640x480); QVGA (320 x 240); QQVGA (160 x 112)	
	Bit Rate	28 K ~ 6 M bps	
	Image Frame Rate	18 fps at SXGA; 26 fps at HD720; 30 fps at VGA; 30 fps at QVGA; 30 fps at QQVGA	
Audio Input	Compression	8kHz, Mono, PCM	
	Audio Line Input	Unbalanced, 1.4Vp-p, 1Vrms, terminal block	
Audio Output	Compression	8kHz, Mono, PCM	
	Audio Line Output	Unbalanced, 1.4Vp-p, 1Vrms, terminal block	
Alarm	Digital Input	1, TTL, terminal block	
	Digital Output	1, TTL, terminal block	
External I/O	Reset Button	Factory default	
	LED	System status	
Casing	IP66 Rated	Weatherproof casing with IP66 standard	
Network	Ethernet Port	Ethernet(10/100 Base-T), RJ-45 Connector	
	Protocol	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP	
Software	Web Browser	Microsoft Internet Explorer 6.0 or above	
	SDK	ACTi SDK-10000	
Security		Password Protection: Configured by the Administrator	
Operating	Temperature	-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
Power	Power Requirement	PoE(IEEE802.3af) with class 3	AC 24V±10%
	Power Consumption	6.96 W (DC 12V) w/ IR LED ON 8.16 W (PoE) w/ IR LED ON	6.96 W (DC 12V) w/ IR LED ON 7.68VA (AC 24V) w/ IR LED ON
Physical	Dimensions (ØxL)	77 mm x 220 mm (3.03"x 8.66")	
	Weight	685g (1.51 lb), with sunshield	
Approvals	Certificate	CE, FCC, IP66	

ACCESSORY OPTIONS

Bracket

- Camera Bracket PMAX-1103