

Introduction

PTZ is an abbreviation for pan, tilt and zoom and reflects the movement options of the camera. PTZ cameras are pan, tilt and zoom robotic video cameras that allow an operator to control the camera remotely. PTZ cameras can pan horizontally, tilt vertically and zoom in on a subject to enhance the image quality without digital pixelation. These can be wall mounted, ceiling mounted and pole-mounted.

Uses

PTZ cameras are used in situations in which the machine vision camera must move to cover a larger area or automatically identify and follow a moving target. They are a common choice for the most advanced security and

surveillance applications, such as the monitoring of critical infrastructure.

Features

- You can PAN and Tilt The Camera Remotely.
- Zoom function helps if the object or person under surveillance is too far away from the camera.
- As one single camera can capture much larger areas because of its motions. Hence requirement of number of cameras reduces a great deal.
- Can record sound as well, which is generally not recorded by many CCTV cameras.
- Its positioning is very flexible as compared to regular CCTV camera where they are to be placed strategically.



Technical Specifications

Sr. No	Parameter	Value
A	General	
1	Image Sensor	1/2.8, 2 MP, type CMOS
2	IR illumination	150 m or better
3	Scanning	Progressive scan
4	Minimum Illumination	Colour: 0.2 lux at 30 IRE F1.6
5	Image Resolution	1920 x 1080 @ 30 fps or better
6	Compression	Multiple H.264 high profile, M-JPEG
7	No of streams	Minimum 2 streams at 2MP, 25 fps, H.264 or better
8	Day/Night	True Day/Night with IR cut filter for better Day/Night vision images
9	Recording	Network recording
10	Alarm	VMD Alarm Action: SD memory recording, E-mail notification, Camera positioning, FTP image transfer, Terminal output, Auto tracking, Built in 4 configurable ports IN/Out
11	Humidity	10-100% RH Condensing
12	Power	External power as specified by OEM, PoE+ both options shall be available
B	PTZ Capabilities	
1	Focal Length	Lower focal length 4mm, Higher focal length 129mm; (+/- 2mm) or better
2	Optical zoom	Minimum 30X
3	Digital zoom	Minimum 10X
4	Panning	360° endless
5	Speed	Variable panning speed 0.1 ~ 30 °/sec
6	Tilt	0° ~ 180° or better
C	Audio Capabilities	
1	Wide Dynamic range	True WDR 120 dB or more
2	High Light compensation	Shall be available using 120dB WDR

3	Digital Noise Reduction	3D noise reduction
4	Two Way Audio	Shall be available
D	Communication Protocols	
1	Ethernet, Network protocols	10/100 Tx 802.3af class 3 PoE, IPv4/v6, Unicast, Multicast, RTP, TCP, DHCP, DNS, ONVIF, ARP, PPPoE, RTSP, RTCP, DDNS, NTP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
E	Compliance and Rating	
1	Interoperability	ONVIF profile S, G Compliant
2	Camera Rating	IP66, Built-in fan/heater & sun shield, Outdoor camera standard
3	Impact Protection	IEC 62262:2002 IK 09/10 rated