SensorTec
Canada

6 MP Outdoor 36X Speed PTZ Camera with 3 KM Laser Illumination .

SensorTec 6 MP PTZ ensures a high resolution and a 25 FPS speed. Camera provides effective manual target tracking thanks to its fast positioning and high accuracy within a 360° horizontal and 100° vertical range. Its image sensor delivers wide dynamic range images. The picture quality and the 36x optical zoom of the camera makes it possible to provide close-ups of the areas of interest and target objects. As the PTZ has a unique integrated IR Laser illuminator with an automatic cooperating focus system, it is able to provide quality images of monitored targets even in low lighting conditions. Specially developed PTZ control functions in SensorTec Control Center, such as mouse controlled joystick emulation, the PointIT control function or PTZ position bookmarks make monitoring convenient and easy.

KEY FEATURES

- 6 MP resolution
- 1" size sensor
- Wide Dynamic range
- 3 KM Laser illumination
- images 36x optical zoom
- IR Laser illumination with automatic cooperating focus system
- 3D Privacy mask

- Multi-zone video motion detection analytics
- IP66 rated outdoor enclosure
- Fast and accurate positioning
- Specially developed control functions in SensorTec Control Center
- JPEG2000 wavelet-based, visually lossless compression
- Integrated cleaning system (Wiper + Washer) Water tank is a separate unit

RESOLUTION SPECIFICATION

Human Identification Distance	600 ppm	146 m
Human recognition Distance	250 ppm	350 m
Human detection Distance	25 ppm	3500 m

SPECIALLY DEVELOPED FUNCTIONS IN SENSORTEC CONTROL CENTER

Precise positioning with simple mouse click

PTZ history

PTZ zoom control by area selection

Joystick emulation control with mouse

PTZ positioning on map

GPS based positioning

Interactive PTZ control on the panoramic image

PTZ Position bookmarks

Automatic PTZ tour with predefined parameters

Zone violation detection and immediate alarm (in cooperation with a VCA NVR)

Abandoned object detection and immediate alarm (in cooperation with a VCA NVR)

Detecting suspicious behaviors and immediate alarm (in cooperation with a VCA NVR)

Individually compressed frames

Special picture enhancement algorithm for foggy, rainy weather conditions

TECHNICAL SPECIFICATION

Part number	ST-6PTZ3KL
Imaging	
Description	SensorTec 6MP IP PTZ DN camera
Day and Night	ICR function for Day/Night switching, automatically removable infrared-cut filter
Sensor	CMOS Sony 1"
WDR	103 dB
Scanning system	Progressive, no interlaced scanning
Video compression	JPEG2000
Image size	3072 x 2048
Frame rate	Up to 25 FPS @ 6MP; all resolution
Image settings	Color, Brightness, White balance, Compression ratio, FPS, Exposure control, Real-time image enhancement, Text overlay
Illuminations	
Minimum illumination	Color: 0.75 lux (50 IRE AGC-OFF 1/10s 80%) 0.02 lux (50 IRE AGC-ON 1/2s 80%)
	B/W: 0.01 lux (50 IRE AGC-OFF 1/10s 80%) 0.001 lux 50IRE AGC-ON 1/2s 80%)
IR Laser Illumination	Varifocal IR Laser illuminator, 808 nm, 500W pulsed
IR Laser illumination Range	3000 Meter
LENS	
Lens	f = 6 mm - 210 mm; F = 1.5 - 4.3; Auto-focus, Auto-Iris
Zoom	36x Optical Zoom, 10x Digital zoom
Angle of View	Horizontal: 63.17° - 2.01°
	Vertical: 44.57°- 1.34°

Pan Tilt	
Horizontal range	0-360°
Vertical range	0-100°
Preset speed	400°/sec
Preset accuracy	± 0.10°
Preset positions	100, selectable default preset
Guard tour	Unlimited, Schedule based
Privacy mask	3D Privacy mask
Event Trigger	
Analytics	Video motion detection, multi-zone
Event triggers	Live stream access, Archive stream accessed, Video motion detection, Network, Camera Settings, Temperature, Input trigger, Preset reached
Audio	
Sound	Built-in microphone, 1 ch external 24 kHz/16bit, sound in/output
Inputs/Outputs	4 programmable IO connections NO, NC / OC 0.5A/30V
Network and Storage	
Ethernet connection	1000 Mbit; RJ45
Network	TCP/IP
Network security	1500 bit public-key RSA; User authentication
Storage support	SensorTec Network Video Recorder
Approvals	EN 55022:2010/AC:2011, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 50130-4:2011/A1:2015, EN 55013:2013, EN 55024:2010, IEC/EN 60529 IP66

MECHANICAL SPECIFICATION

Material	Full metal casing Aluminum alloy, glass windows
Dimensions (W x D x H)	205 × 312 × 386 mm (with mounting bracket)
Package dimensions (W x D x H)	290 × 300 × 410 mm
Master carton dimensions (W x D x H)	630 × 630 × 450 mm
Pieces / Master carton	4 pcs

APPLICATION AREAS

SensorTec 6 MP PTZ camera makes it possible to effectively monitor medium or large-scale areas both indoors and outdoors. The camera delivers a resolution that is high enough for face recognition even at hundreds of meters distance therefore it is the ideal component of surveillance solutions. SensorTec PTZ camera can be effectively used together with SensorTec Panorama camera as it can be controlled on the panoramic images by selecting an area of interest. As it is possible to monitor streets, parks or large scale urban areas easily with these cameras, they are the essential parts of SensorTec city, safe and and smart city, airport, border control and critical infrastructure surveillance solutions.

- **Safe and Smart City**
- **City Video Surveillance**
- **Airport Video Monitoring**

- **Border Surveillance**
- **Critical Infrastructure Video**