



Long Range Laser Camera

The full HD IP based ST-HD-IP10KLS PTZ delivers long range day/night surveillance. Its powerful 16.7-2000mm motorized zoom lens can detect intruders at distances of up to 10km at daytime. The high-output, NIR Laser IR illuminator provides recognition for up to 10km in complete darkness. SensorTec ST-HD-IP10KLS delivers unparalleled video surveillance and situation assessment for perimeter protection and border defense.

ADVANTAGES OVER THERMAL IMAGING

ST-HD-IP10KLS offers significant advantages over thermal imaging by producing colour images by day and monochrome at night with much higher resolution. Active IR unlike thermal also has the ability to illuminate through windows and other optically pure substances at night to provide both recognition and identification making it ideal for military installations, homeland defense, airports and critical infrastructure scenarios.

FEATURES

- Full HD 2 megapixel IP camera, ONVIF-compliant
- GHT super homogenizing and power consumption control of NIR laser illuminator.
- Independent laser photoswitch.
- Accurate optical axis aiming, 0.01° SLM optical axis aiming and locking
- 360° continuous rotation PTZ, Stable rotation.
- Integral aluminum alloy housing, weatherproof IP66, waterproof, anti-dust.

TECHNICAL SPECIFICATION	
Model	ST-HD-IP10KLS
Detection range	10km day, 5km night
Laser	40W, 808nm NIR Laser
Laser angle	0.2°~20°
Angle and distance matching	1- DSS digital stepper illumination angle control, unique laser angle and distance matching technology, min 0.1°follow-up zooming
	2- GHT super homogenizing technology and laser power consumption control
	3 -0.01°SLM optical axis aiming and locking
Sensor	1/1.8" 0.0002lux low illumination color to B/W CMOS ,50Hz: 25fps (1920 × 1080) 60Hz: 30fps (1920 × 1080), Auto ICR switch, 3rd level DNR denoise
Lens	16.7~2000mm, IR correction, motorized zoom and focus, auto iris
Fog penetration(optional)	Optical filtering and AFR image processing, B/W penetrating fog mode
Housing	Ruggedized aluminum alloy, water tight,
Load duty	50kg
PT rotation	Pan: 360o continuous; Tilt: +45°~-45°
Speed	Pan: 0.01~30°/S Tilt: 0.01~15°/S
Presets	80, with patrol and scan function, OSD menu setting
PT angle and correction	Real time display of angle, zero correction function
Interface	1*AC24V, 1*RJ45
Power supply	AC24V±10%, 50Hz, 200W, AC220V->AC24V
Ingress protection	IP67
Anti-lighting	Power voltage 4000V, communication signal 2000V
Protocol	Pelco-P, Pelco-; baud rates: 2400, 4800, 9600, 19200 selectable
Working temp.	-25°C+ 65°C(-40°C optional)
Weight	≤50kg