



Key Features

- ❖ 7mm to 255mm motorized zoom optics deliver superb image clarity at distances up to 2km/6500ft (Day)
- ❖ Ultra high resolution 1/4" Sony 550TVL light intensification CCD
- ❖ Active IR illuminates 300M/1000 feet at 20 degrees in darkness.
- ❖ Rugged IP 66 housing for operation in harsh climates (-35C~55C)
- ❖ Auto day night operation with EPC ensures accurate day/night imaging
- ❖ 100,000 hour MTBF (10 years) bulb lifetime, 5~50X that of competitors.
- ❖ IR Band Pass Filter (IBPF) eliminates glare by bright light sources while rendering 40% better images in fog and other parasitic ambient light.



Industry Leading IR Performance

This camera utilizes specially designed illuminators, CCD image devices, filters and IR corrected optics to intensify IR while rejecting bright parasitic light. This in tandem with the integrated hybrid illuminators achieves night vision in complete darkness up to 300M +1,000ft. The TIR-7261 offers significant advantages over thermal imaging by producing images with up to 500% higher resolution. Active IR also has the ability to go through windows and other optically pure substances at night allowing it to be used for both recognition and identification.

Long Range Zoom Optics

6 - 260mm IR optimized optics for 24/7 long range surveillance up to 6000Ft (2KM) by day and 1020Ft (840m) in 0lux (complete darkness) while maintaining excellent clarity.

Superior Image Quality

The TIR-7261 incorporates highly tuned 1/4 Sony CCD imaging equipment optimized for long range IR surveillance to render superb 550TVL detail- rich color by day. At night or in 0lux environments it intensifies beneficial light rendering clean, crisp monochrome images. This allows it to capture minute details at great distances for 24/7 indisputable identification resulting in the prosecution of trespassing parties.

Anti-Blooming

The Ascendent motorized IRBF filter cuts glare and rejects parasitic light caused by streetlights and other bright sources (from 380-800nm) while increasing sensitivity to IR and laser illuminators (840-870nm). This in tandem with our DNR and 50DB eliminates blooming, streaking, video noise and other complications usually associated with IR imaging. It is able to overcome virtually any ambient lighting environment including fog, city, waves, complete darkness, etc.

Longevity and Reliability

this camera is comprised of high quality components precision engineered for unparalleled performance and reliability. The heavy duty PTZ driver implements brushless motor technology for endless 360 degree panning and tilting in increments as low as .01 degree. The hybrid illuminators have an industry- leading MFTB of 100,000 IR lifetime. All these components can be integrated into a rugged IP67 stainless steel, explosion proof housing to suit installations in the most hazardous environments in the world.

Optional PTZ

It is also available with an endless 360 degree PTZ driver which enables the camera to pan, tilt and zoom to cover large areas with just one camera, greatly increasing performance and efficiency. Ascendents P TZ drivers integrate micro-step technology for quick accurate manual or automatic operation via intelligent video analytics (AVA-6000) for flawless uncompromising 24/7 operation.

Flexible

This highly versatile camera works autonomously or integrates with new or existing access control, radar detection and sensors to be part of a larger CCTV management solution. It has a number of options such as military- grade IR, IP, PTZ drivers, and a variety of housings from explosion-proof to Arctic conditions allowing it to be installed in virtually any environment with applications from marine to oil and gas.

Specifications are subject to change without notice.



Long Range Collimator
Medium Range Collimator

Collimators can be changed out to create custom configurations of IR distribution and illumination distance.



Medium Range Collimator

Model Number:	ASC-TIR-7261
Image Sensor	1/4" IT SONY SUPER-HAD
Pixel Count	CCD 410K Pixels
Resolution	550TV Lines
Optical	7~255mm Motorized Zoom Lens
Digital Zoom	10x (270x)
Minimum Illumination	Day - true color / Night - 0.000 lux by 21 strong IR illuminators with collimator and motorized changing filter at 10.0 lux
Menu Display	Yes
Number of IR LEDs	21 Hybrid IR illuminators with collimator
Digital Motion Detector	Yes
D/N Auto Changing Filter	Yes
CDS Sensor Circuits	Yes
Cooling Blower	Yes
70 C Thermal Switch	Yes
Distance (Day)	2Km (6000ft) image pick-up
Distance (Night)	300M (1000ft) 850nm (940nm available)
PTZ Controls	RS485/Pelco D RX Built-in
Heater On/Off	5 C
Cooling Fan On/Off	35 C
Power Supply	12VDC/24VDC (Optional)
Dimensions	164mm x 228mm / 6.32" x 8.87"
Weight	3.8Kg

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