

Ascendent Terra PTZ: 1~8KM Extreme Long Range Active IR surveillance camera , 2000mm Zoom Lens

Integrated, dual, continuous-wave active IR laser diodes delivers intruder detection at 10km, recognition at 3km and identification at 1.2 km in complete darkness.

Sept. 25, 2009 - [PRLog](#) -- The Terra PTZ delivers super long range day/night surveillance. Its powerful 20-2000mm motorized zoom lens can detect intruders at distances up to 20km by day and detect vessels up to 30km away. It's twin, high-powered, continuous-wave laser active IR delivers intruder detection at 8km, recognition at 3km and identification at 1.2 km in complete darkness. The Terra Series delivers unparalleled surveillance, situation assessment, and perimeter protection for military installations, borderlines, airports and critical infrastructure worldwide.

Industry Leading Performance

The Terra Series' integrated, twin, continuous-wave laser diodes dramatically surpass the traditional IR LED technology of Active IR by offering distances over 2km . It utilizes specially designed CCD image devices and IR corrected filters and optics to intensify light on an electronic level. This in tandem with the dual laser diodes allow the Terra Series to achieve night vision in complete darkness up to 8km +26,000ft. This is over 250% of its closest competitor and is the first active IR camera to achieve distances over 3km. The Terra Series 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

IR optimized optics for 24/7 long range surveillance up to 60,000Ft (20KM) by day and 24,000Ft (8KM) in 0lux (complete darkness) while maintaining excellent clarity. Makes it the choice for homeland security, critical infrastructure and military logistics world wide. Comes with a variety of lens sizes from a 10~330mm to a 20~2000mm to suite any application

Superior image quality

The Terra series incorporates highly tuned EMCCD imaging equipment that is optimized for long range surveillance to render superb detail rich color by day. While At night or 0lux environments the Terra series intensifies IR light on an electron level while eliminating glare from visible light rendering clean crisp monochrome images. This allows the Terra series to capture minute details at great distances for 24/7 indisputable identification resulting in the prosecution of trespassing parties.

Anti-Blooming

Ascendent IRBF blocks visible light emitted from streetlights, and other bright sources from (380-800nm) while increasing sensitivity to IR and laser illuminators (840-870NM). In tandem with are DNR, and 50DB eliminates, blooming, streaking and video noise, and other complications usually associative with IR imaging. Allowing it to overcome virtually any ambient lighting environment including fog, city, waves, complete darkness ect.

True 24/7 operation

The Terra series PTZ is a true 24/7 surveillance solution with viewing distances up to 60,000Ft (20km) by day and 24,000ft (8km) at night. Endless 360 degree PTZ driver allows it to pan tilt and zoom with micro-step technology for quick accurate manual control or automatic operation via intelligent video analytics for flawless uncompromising 24/7 operation.

Intuitive user-friendly

Although the Terra series is extremely sophisticated imaging equipment it is operated by an intuitive user friendly interface that is controlled using a mouse. The PTZ can also be controlled by a 3 axis joystick and since the illumination atomicity syncs with the zoom lens its is just as easy as operating and standard PTZ while maintaining its Superior performance.

Longevity and Reliability

The Terra series is comprised of high quality components precision engineered for unparalleled performance and real ability. The heavy duty PTZ driver implements brushless motor technology for endless 360 degree panning And tilting in increments as low as .01 degree. The ASC-500MIRF has an industry leading MFTB of 100,000 IR lifetime. The lasers have an MFTB of 10,000 hours and can illuminate distances of up to 8KM while only drawing 1.7W power. The Continuous zoom IR corrected Optics (10-1000 2x 20-2000mm is manufactured by Ray max. All these components can be integrated into a rugged IP67 stainless steel, explosion proof housing to suite installation in most hazardous environments in the world.

Flexible

The Terra series is more then simply a long range camera is an complete security management solution that uses IP, analog and megapixel cameras for hybrid operation to for limitless camera options. Not only a CCTV management solution it can also integrate with access control, radar detection and sensors to streamline and increase efficiency of all security systems. These systems can be controlled via wires or wireless networks to effetely control the system up to 500KM away in a LAN network if they have sufficient privileges to do so.

Cost Effective

As mentioned above the Terra series has the ability to effectively synchronize, CCTV, Sensors, Access control, allowing all essential security control to be performed unsung only one system which significantly reduces training and personal requirements . To further enhance cost savings the Terra Series allow the system to take advantage of prior security investments and upgrade existing CCTV cameras, sensors and accesses control to provide an affordable solution without compromising performance.

Unmanned Operation

The Terra series PTZ is designed for unmanned operation, sensors can be set to send telemetry to the PTZ when activated to automatically focus where perimeter has been breached. Additionally integrated AVA automatically acquires license plate, facial details, and track intruders for absolute premier control. AVA's intelligent object detection/tracking /classification and video analysis is control by user specified parameters for accurate unmanned 24/7 operation.

Intelligent Video (AVA)

AVA (Ascendent Video Analytics) is an innovative product that overcomes the constraints of traditional CCTV monitoring systems. It boasts a180° panoramic display that allows monitoring of a wide area without blind spots by using 5-8 fixed cameras with an Terra PTZ that optically zooms, and acquires identifying details such as license plate or face. All these events are recorded using a proprietary, self-contained video/event database engine that can easily be accesses by a graphical easy to use interface. Unlike other video analytics it does not external DBMSs such as MS-SQL, MS-Access, Oracle, etc. Video recording/search/playback/export can be performed based on events as well as time.

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Ascendent Technology Group Inc. is a dynamic fast growing company committed to providing the CCTV industry with innovative and advanced products and technologies. Specializing in long range IR optics and illuminators. With a singular commitment to the aggressive pursuit of product development and customer satisfaction, Ascendent continues to be an industry leader. We believe our sophisticated products provide simple solutions to the most complex security demands. Ascendent offers customization and contract manufacturing to its integrators and OEM partners. Ascendent is proud to provide exceptional customer service and professional quality products.

Ascendent is looking for Distributors, Integrators and Reps world wide.

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