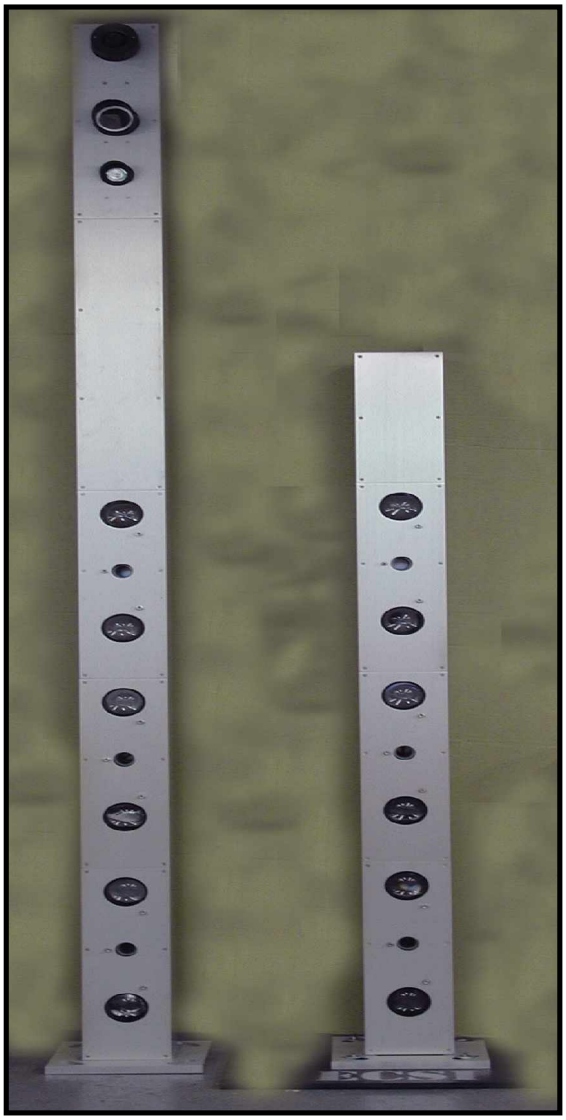
IPID®

Infrared Perimeter Intrusion Detection System



Series 4000
Architectural Column

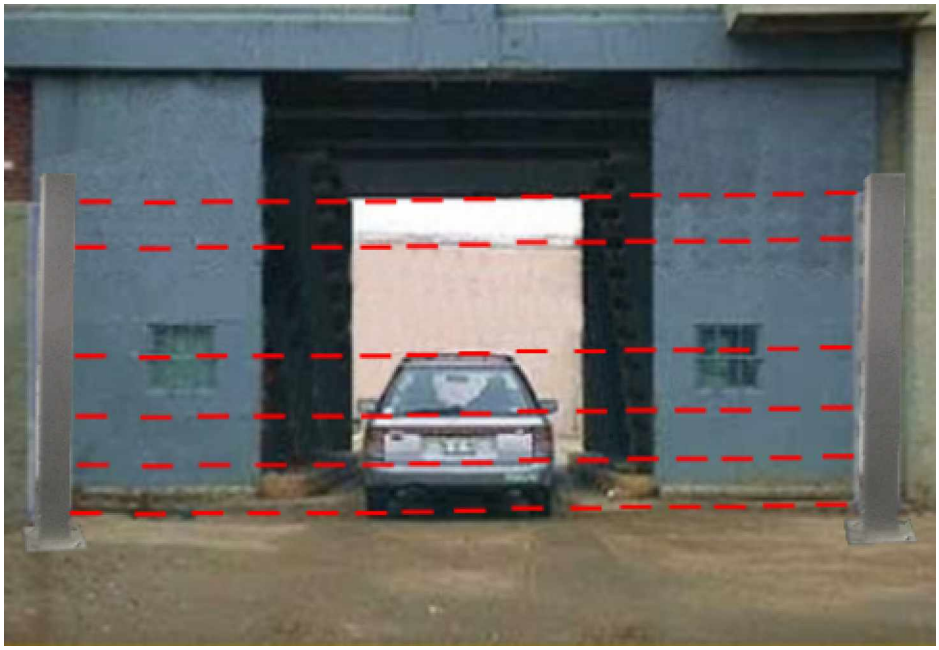
The Architectural IPID system provides dependable security barrier of pulsed infrared technology to create multiple detection zones, each with a range of up to 1000 feet. Our solid state electronics are not affected by environmental conditions such as birds, small animals, snow, puddles, leaves, grass or mechanical vibrations. It works in rain, snow and fog instantly pinpointing the intrusion zone via normally opened or closed dry contacts that can be interfaced with any annunciator or data communication system. IPID does not false alarm. The system will only alarm if an object breaks the 3.54" diameter beam more than 98.5%.

Revised August 2005

Architectural IPID Value Proposition	
The Architectural IPID (Infrared Perimeter Intrusion Detection) system, proven to outperform other perimeter intrusion detection technologies and part of the integrated family of ECSI security systems.	
Low Lifecycle Cost	– Easy to use (requiring less staff training time) – Self supervision (facilitating in house maintenance)
Best Industry Warranty	– 10 years
Scalability	– Standard sensor assemblies – Configurable to meet the needs of any facility
High Quality	– All metal components are cast extruded or formed aluminum – Solid state wiring and circuitry – MTBF >50,000 hours – MTTR 15 minutes
Highly Accurate	– High probability of detection (PD) regardless of weather conditions – Low NAR/FAR – Operates in harsh environments
Government Approved	– Widely accepted by DoD/DoE/NRC

HARDWARE FEATURES	HARDWARE BENEFITS
Fast, Accurate Alignment	Sophisticated electronic equipment is not required. A single borescope designed to fit the sensor makes alignment simple.
Remote Check Test	Built-in circuitry immediately detects a malfunction in a remote sensor and transmits this information to the central control annunciator panel.
Built-in Signal	Sensors have built-in memory storage. A short or intermittent contact in the wiring will activate an LED at central control.
No Complex Wiring	Single, multi-conductor cables with amphenol connectors eliminate complex wiring.
Fiber Optic Compatible	For video and signal transmission from a single point source.

APPLICATIONS	
Military	DoD, All bases, Ports & Critical Facilities
Commercial	Corporate Campuses, & Research & Development Facilities
Nuclear	Power Plants
Industrial	Pharmaceutical & Chemical



Specifications			
The Architectural IPID maintains its specified performance when exposed to environmental conditions			
HARDWARE			
Transmitter pulse diameter	3.54 in.	**Alarm time**	2 sec. minimum or as long as transmitter pulse is broken
Lens diameter	3.4 in.	**Sensor dimensions**	4.34" x 4.54" x 22.5"
Transmitter divergence	15 mrads	**Sensor housing**	Injected molded polycarbonate
Emitter wave-length	930 nanometers	**Power requirements:**	
Receiver divergence	7.5 mrads	**Primary**	120V AC to each
Transmitter Synchronization	Internal or external	**Regulated power supply (RPS)**	28V DC to each sensor
Pulse frequency	1200 Hz	**Lens shield measurement**	3.6 in. dia. x 8in.
Pulse time	.6 µs	**Weight per lens shield**	0.5 lbs.
Pulse intake capacity of emission diode	200 mwatts	**Effective IPID coverage:**	
Operation voltage per sensor	24-32 VDC (65mA±)	**Fog free areas**	
Power use	130mA per A&B Sensor	**Average distance**	Up to 300 ft.
Alarm delay	20-120mSECS	**Temperature range**	- 40° to + 70°C
Note: Optimum working distances will vary depending on climate and specific security requirements.			

ECSI International, Inc

ISO 9001:2000 Registered
790 Bloomfield Avenue, Building C-1, Clifton, NJ 07012 * Tel: (973) 574-8555 * Fax: (973) 574-8562
e-mail: ecsi@anti-terriorism.com * Website: http://www.anti-terrorism.com

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