

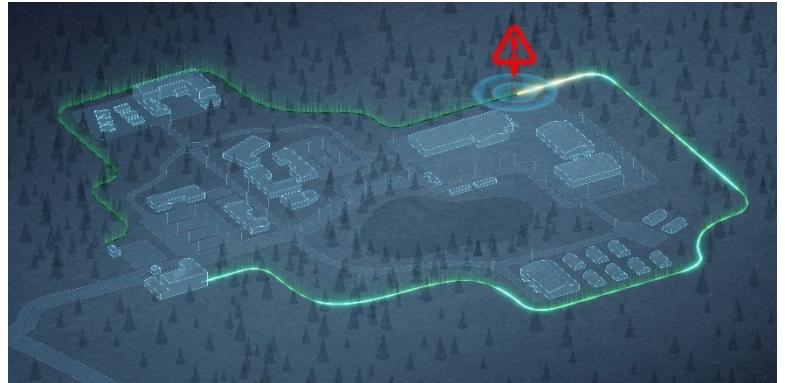
EchoPoint™

Point Locating Distributed Acoustic Sensors

The **EchoPoint™** Distributed Acoustic Sensors (DAS) utilize the latest technologies in fiber optic sensing and classification algorithms to provide the most advanced solution for applications requiring reliable, point locating intrusion detection sensors. These advancements make **EchoPoint™** sensors a key part of the solution in large sites where precise intrusion location is needed.

Key Features:

- Location accuracy of $\pm 6m$
- Software zoning
- XML via TCP/IP and GIS integrations
- Maximum fiber optic sensor length of up to 100km per processor



The **EchoPoint™** systems can identify where an intrusion is taking place within six meters. Virtual zoning allows for the system to be broken down into multiple software-defined detection areas. Zone lengths can range from 10m to 100km. The **EchoPoint™** system can pass zone alarms to video/security management systems via XML/TCP/IP and/or optional relay I/O contact modules. Fiber SenSys continues its cut tolerance and system redundancy with **EchoPoint™**. The systems provide cut tolerance when applied in a loop configuration utilizing both channels. In addition to dual power supplies, **EchoPoint™** systems can

provide redundant processing, eliminating the single point of failure. In the unlikely event of a processor failure, the second processor will automatically take over maintaining your perimeter security system.

The **EchoPoint™** systems use an advanced pattern-recognition classification algorithm that has been proven to provide industry-leading performance. **EchoPoint™** systems identify the differences in intrusion attempts by providing fabric cuts, climbs, and events for fence applications. For buried applications, the system identifies the differences between footsteps, manual digging, machine digging, and vehicle traffic events.

Applications:

- Airports
- Distribution Centers
- Refineries
- Data Conduits
- Railways
- Corrections

MADE IN



For more information, contact us at:

Info@fibersensys.com

Tel: +1(503) 692-4430




Toll free (US) +1(800) 641-8150

www.fibersensys.com



Single Line Configuration



EP9300™ Series		
Hardware	Single 2RU Rackmount Device	
Hard Drive	2 Redundant/Hot Swappable	
Max. Sensor Length	80km max per processor for Fence applications, 100km max per processor for Buried applications	100km per processor for Pipeline & Data Cable Security applications
System Configuration	Single line (NO cut-tolerance) or Loop (cut-tolerance)	
Detection Application	Fence, Buried, Pipeline, Data Cable Security, Bomb Explosion Detection, Highway Traffic Monitoring, Railways, or Hybrid	
Burial Depth (Dependent on Soil type)	.3-.9m(1-3ft)	
Classification Reporting	YES	
Human Walking/Running	YES	
Vehicles	YES	
Hand/Machine Digging	YES	
True Processor Redundancy (optional)	Optional	
Electrical		
Input	100/240 VAC, 50-60Hz	
Power	120 watts	
Mechanical		
Dimensions	48x51x9cm (19"x20"x3.5")	
Rack Space	2U	
Weight	11.4 kg(25lbs.)	
Environmental		
Temperature	0°C to 50°C (32°F to 122°F)	
Humidity	20% to 80% non-condensing	
Sensor Fiber Spec		
	Must meet ITU-T G.652.D ≤ 0.30 dB/km @1550 nm for systems ≤ 20 km in length ≤ 0.25 dB/km @ 1550 nm for systems > 20 km in length Gel filled required for buried applications	
Integration		
Built in	XML TCP/IP, ASCII	
Optional	ADAM I/O modules	
Certifications		
Electromagnetic Compliance	FCC Part 15 Class A EC EMC Directive 2004/108/EC	
		 

For more information, contact us at:
Info@fibersensys.com
 Tel: +1(503) 692-4430
 Toll free (US) +1(800) 641-8150
www.fibersensys.com

