

FOIDS - Fiber Optic Intelligence & Detection System

FOIDS is among the most reliable and cost effective perimeter intrusion detection solutions available for fence, wall and roof applications. The product carries a ten year warranty. Utilizing bi-directional laser light traveling in single-mode fiber optic cable, FOIDS can secure virtually any size perimeter with flexible zone lengths of 100 meters to several kilometers. No electrical power is required outside the control room providing a system that is suitable for use in inclement weather.

FOIDS VALUE PROPOSITION

FOIDS, proven to outperform other fence, wall, roof and in ground perimeter intrusion technologies. Part of the integrated family of ECSI security systems.



Low Lifecycle Cost	Single mode fiber provides very long and flexible zone lengths No power or electronics needed at fence Easy to use (requiring less staff training time) Self supervision (facilitating in house maintenance)
Best Industry Warranty	10 years
Scalability	Modular design Secure from 1 zone to 256 zones. Provides physical protection of data LANs
High Quality	MTBF>200,000 hours MTTR 30 minutes
Highly Accurate	High probability of detection (PD) regardless of weather conditions Adjustable sensitivity control of each zone resulting in low NAR/FAR Provides alarm discrimination for climbing, lifting, and cutting of fence fabric.
Government Approved	Widely accepted by DoE/USAF

Series 6000

HARDWARE

BENEFITS

Zone processors are rack mounted plug-in type	Electronic modules are easily and rapidly replaced and require minimum maintenance.
Cut loop detection for operational integrity	Alarms when optical integrity is disrupted by cutting or disconnecting.
Single mode sensor cable is riser rated	Tight-buffer allows easy preparation for termination or splicing. Rated for indoor/outdoor applications. Requires minimum maintenance Rapid temporary field repairs can be accomplished with mechanical splices.

UTILITY SOFTWARE FEATURES

UTILITY SOFTWARE BENEFITS

Real time graphic display mode	Allows the user to view a real time graphic representation of events occurring at the zone. Displayed in either a trace or bar graph format.
Event recording mode	Allows the user to record all events occurring at the zone. These files can then be played back to make comprehensive parameter adjustments based on the recorded results. The recorded files can also be exported off site for analysis.

FOIDS maintains its specified performance when exposed to environmental conditions

HARDWARE SPECIFICATIONS

Model M3200WM (Wall Mount)			
Laser Classification:	Class 1 operational @ 1310 nM	FIBER	
		Fiber Optic Cable	Single-mode fiber count may vary based on project need
Alarm Discrimination Parameter:	User Selectable	POWER SUPPLY	
Digital Filtering:	User Selectable	Power Systems:	Triple out, regulated linear
Audio Function:	User Selectable	Power Input:	108 - 132 VAC 60 Hz
Alarm Tracing Facilities:	User Selectable	Output:	+5 volts DC Regulated -0.6A +12 volts DC Regulated -0.16A -12 volts DC Regulated -0.16A
Serial Data Port:	RS 232	CONNECTORS	
Operating Temperature:	0-50 degrees C	Typical Loss:	0.2 dB
Dimensions:	7" W x 9" D x 2" H	Relay Closures:	User Selectable Form "C"
Weight:	2.5 lbs		
Model M3200RM (Rack Mounted)			
Laser Classification:	Class 1 operational @ 1310 nM	POWER SUPPLY	
Alarm Discrimination Parameter:	User Selectable	Overload protection:	Fused
Audio Function:	User Selectable	Circuitry:	Solid State
Operating Temperature:	0° to 50° C	MTBF:	Over 200K hrs per MilHndbk 217D
Console:	19"W x 32"D x H (TBD)	Temperature rating:	0° to 50° C
Computer / Software:	Windows NT, 2000, XP	AC Input:	100/120/220/240 VAC 47-63 Hz
Weight: CPU & Monitor	Minimum 65 lbs.	AC Current	2.3/2/1.1/1 Amperes respectively
Serial Data Port:	RS 232	DC Output:	+5 VDC at 6 Amperes +12 VDC at 1.7 Amperes -12 VDC at 1.7 Amperes
Relay Closures:	User selectable Form "C"	Weight:	17 to 35 lbs. depending on the number of zones
OPTICS		CONNECTORS	
Single-mode Optical Fiber Sensor Cable:	May vary based upon project specifications	Typical Loss:	0.2 dB
Operating Temp.:	-40° C to +85° C	Fungus / Water / UV resistant and flame retardant	
Operating System	Windows		

APPLICATIONS

Chain link, wrought iron, expanded metal security fences

Interior high security areas

Sensitive/high security fiber optic data transmission systems

ECSI

ECSI INTERNATIONAL, INC.

ISO 9001:2000 REGISTERED

790 Bloomfield Avenue, Building C-1

Clifton, NJ 07012

Tel: (973) 574-8555

Fax: (973) 574-8562

ecsi@anti-terrorism.com

www.anti-terrorism.com