

Nxtar Fiber Optic Security Co., Ltd

# Fiber Optic Intrusion Detection System Specifications

## 一、Leading Fiber：

1	Fiber Mode	Single Mode
2	Core	2
3	Intensity design	Include Kevlar · Anti-UV PE MATERIAL
4	Fiber Outer Diameter	6 mm
5	Operating temperature	-20°C~70°C
6	Store temperature	-20°C~70°C
7	Connector mode	SC/APC

## 二、Sensig Fiber：

1	Fiber Mode	Single Mode
2	Detection length	Detection length $\leq$ 100m ( single detection zone )
3	Core	1
4	Intensity design	Include Kevlar · Anti-UV PE MATERIAL
5	Fiber Outer Diameter	6 mm
6	Operating temperature	-20°C~70°C
7	Store temperature	-20°C~70°C
8	Connector mode	SC/APC
9	Power loss	(1) $\leq$ 0.4dB/kM @ 1310nm    (2) $\leq$ 0.3dB/kM @ 1550nm
10	Fiber length error limit	A single detection zone requires two sensing fibers. The core length inside two sensing fibers needs to be equal to long, with an error of 6cm

