Bandweaver

DATASHEET

ZoneSentry™
Perimeter Intrusion Detection System

FRONT VIEW

REAR VIEW

8 zone version shown in photos

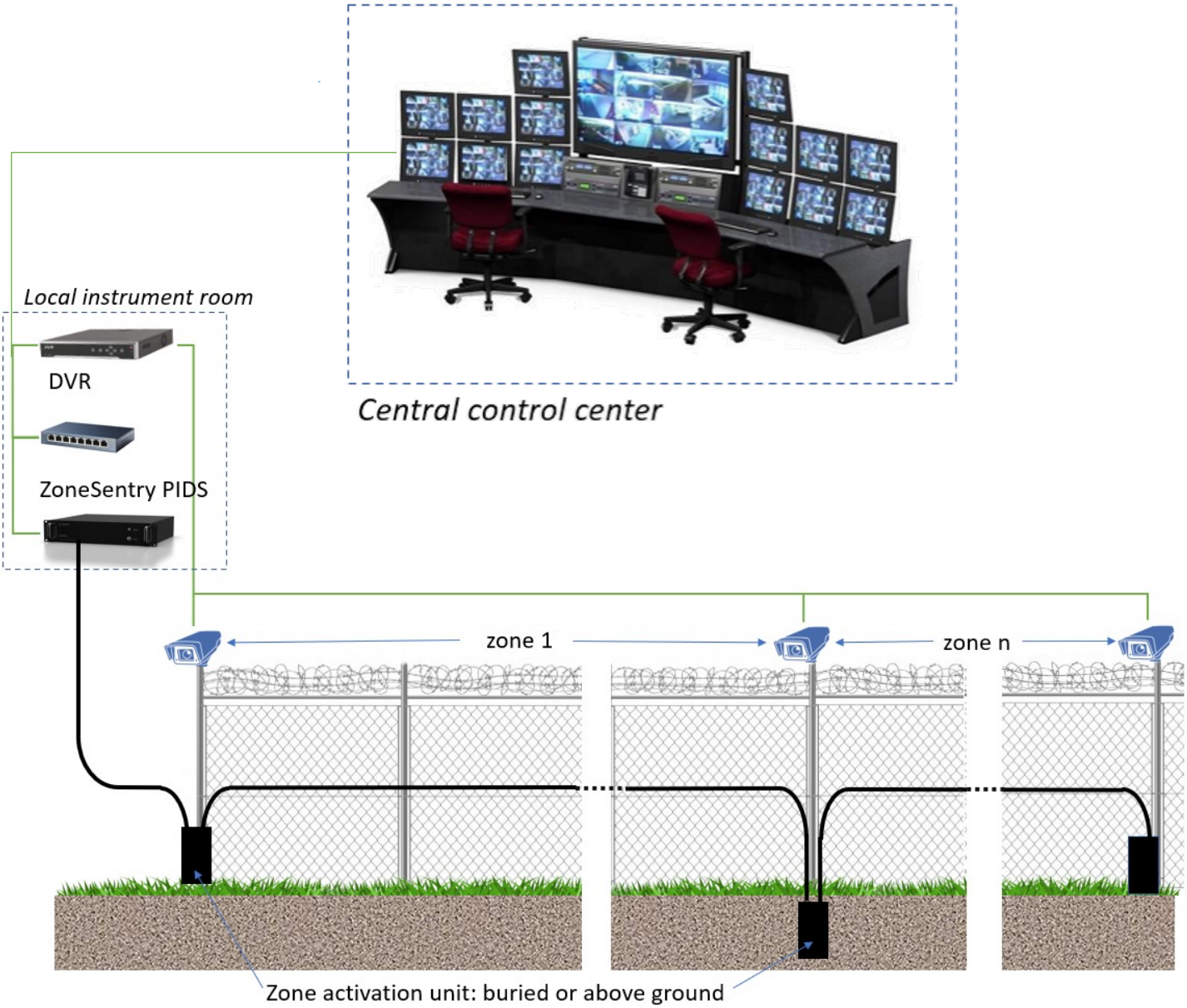
ZONESENTRY SPECIFICATIONS

MEASUREMENT AND OPERATING SPECIFICATIONS	
Measurement Configuration	Loop measurement with Zone Activation Unit (ZOA)
Number of Zones	4 or 8 zone configuration
Connector Type	FC/APC
Optical Fiber Type	Single mode fiber compliant to ITU-T G.652
Measurement Range	1km per zone / 4km or 8km per unit Insensitive lead-in length up to 10km
Alert Types	Intrusion, fiber cut – single report per zone
Number of Alarm Logs	8,000 events
Response Time	<2 seconds
PHYSICAL CHARACTERISTICS AND INTERFACES	
Operating Voltage	12 / 24 V DC
Average Power Consumption	<5W (4 zones) <10 W (8 zones)
Operating (Storage) Temperature	-20°C ~ +70°C (-10°C ~ 85°C)
Operating Humidity	10% ~ 95% relative humidity
Laser Safety / Power	Class 1M
Form Fit	19" rack mounted (2U)
Weight Shipping Weight	5.1kg 9.1kg
Dimensions Shipping Dimensions	88 / 384 / 430 mm (H / W / D) 260 / 530 / 570 mm
Connectivity / System Interface	Electrical relay (10 or 18) / RJ45 / RS485 (Modbus RTU)
Part number(s)	DAS-ZS-03-02-4CH DAS-ZS-03-02-8CH
Standards & Approvals	CE Directive 2014/30/EU EN55032: 2015+A1: 2016, EN 55035:2017 EN61000-3-2: 2014. EN 61000-3-3: 2013 RoHS EC 2015/863 amending 2011/65/EU FCC Part 15, Subpart B, ANSI C63.4 – 2014 FDA Title 21, Part 1002 – Laser Products

The above specifications are provided as guidance only and cannot be guaranteed to be exact and Bandweaver will supply the equivalent or better

SYSTEM INTEGRATION

The ZoneSentry™ is extremely versatile and can be implemented as a standalone system or integrated with commercial VMS and PSIM systems or Bandweaver's MaxView™ integration software.

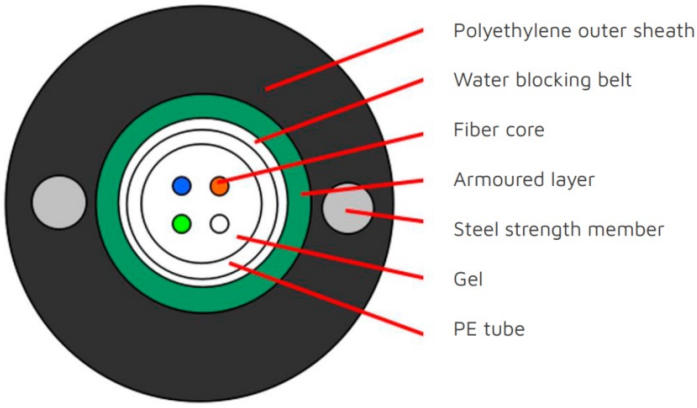


System integrated with CCTV DVR system

SENSING CABLE SPECIFICATION

Bandweaver recommends the use of the FenceLine™ vibration sensing cable (see datasheet)
Installation of the cable should be carried out according to Bandweaver installation guidelines.

Please contract your Bandweaver representative for more details.



RECOMMENDED ACCESSORIES

As standard, Bandweaver recommends the use of the following accessories when deploying the ZoneSentry™ Perimeter Intrusion Detection System.

DESCRIPTION	PART NO.	COMMENTS
Zone activation unit	FID-ZS-ZAU-01	Included with ZoneSentry unit. One activation component per zone
Buried field splice enclosure	FIDS-ZS-JB-01	Can be deployed below ground or above ground. Can be used to house zone activation component
Rackmount splice tray (4 zone or 8 zone variant)	FID-ZS-ST-04 Kit FID-ZS-ST-08 Kit	Used within the control room to connect the ZoneSentry to the sensing cable House within 19" rack
FenceLine Sensing cable	CAB-SM9_FS-08 CAB-SM9_FS-16	8 or 16 fiber cores as standard
UV resistant cable ties		Used to attach sensing cable to fence as per installation manual

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