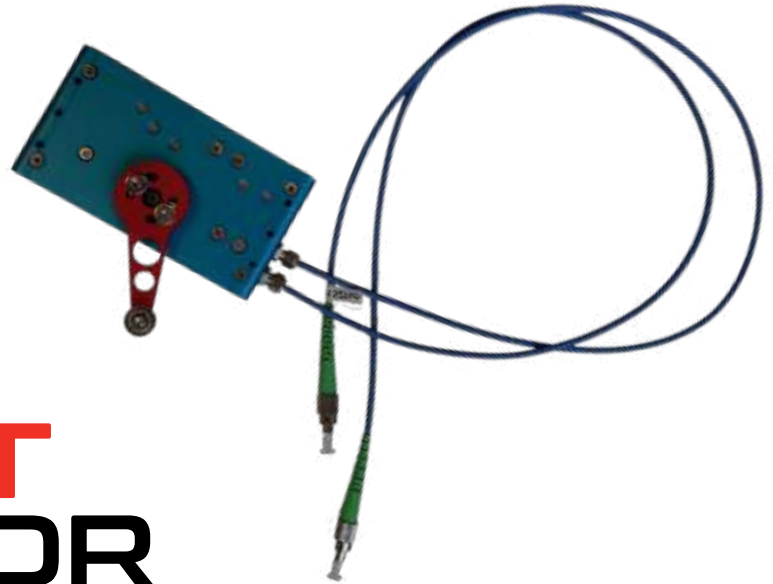




**Solutions, When the Conventional Ones
Run Out of Breath**



CABINET DETECTOR

FBG SENSORS & DETECTORS

Remote monitoring of rotational movements and deviations

The Cabinet Detector is a specifically designed detector for permanent monitoring of key premises and critical infrastructure using the state of the art FBG optical approach. Under the highest security requirements, it helps you to detect intrusion and vandalism attempts at monitored places, such as cabinets, doors, entrances, etc., providing you with real-time alerts. This gives you valuable time to take appropriate action to minimize damages to your property and potential profit loss.

100% passive detector

As the detector doesn't need the power supply, it easily monitors places without electricity and hazardous or hard to reach areas.

Rotary lever

The detector uses a very sensitive rotary lever which is designed to capture even small door and cabinet openings.

Universal platform

Additional detector types can be used together with the cabinet detector (manhole detector, strain, temperature, humidity, etc.).

KEY PRODUCT FEATURES & BENEFITS

Mounting accessories included

The basic mounting plates are delivered together with the detector for easier installation on the upper or rear side of a structure. Additional accessories upon request.

Connectivity

The detector can be used as a standalone sensor or in series as part of a larger detection network to minimize the cabling costs.

Low operating costs

Optical fiber detector is very durable and, if installed correctly and protected from the environment, can be operated with minimal maintenance and servicing.

Immune to EMI/RFI

The detector enables operation even in harsh environments, as the technology is fully passive, explosion safe and immune to electro-magnetic/radio frequency interference.

Slim line

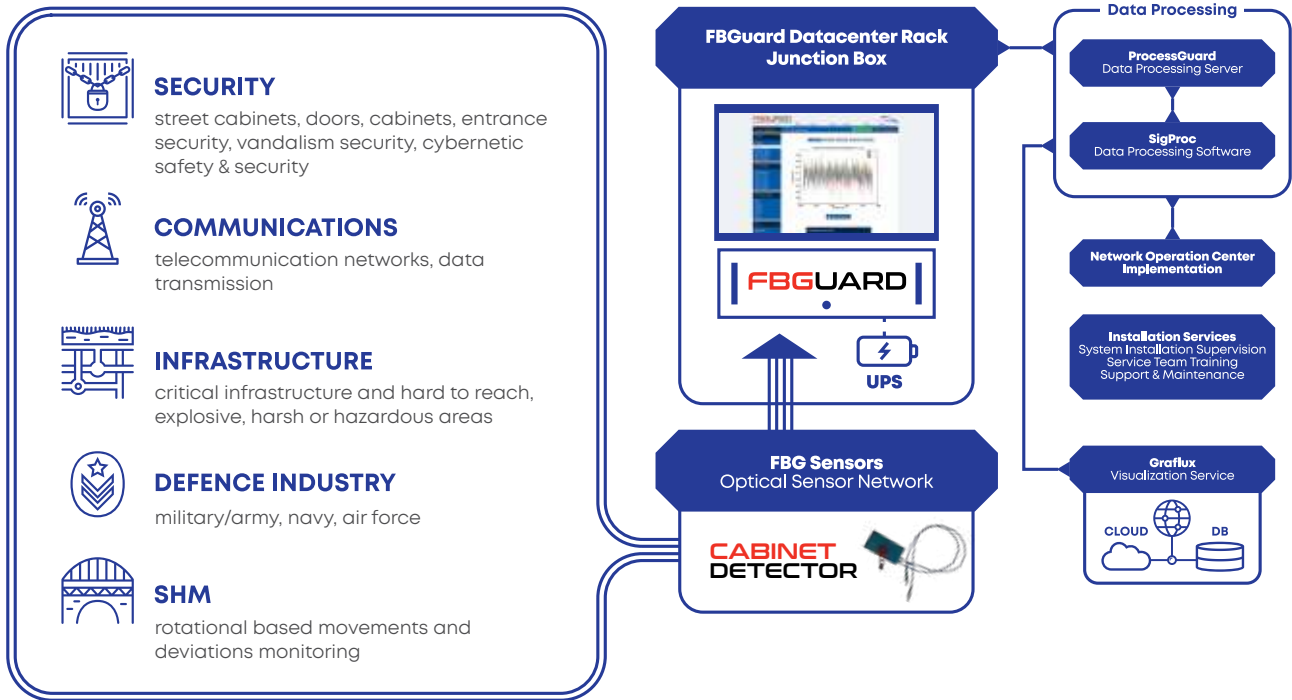
The small footprint of the detector is suitable for internal cabinets with minimal space or outdoor cabinets with high IP protection.

Advanced customization available

The cabinet detector can also be modified for use in other applications requiring permanent monitoring of rotational movements and deviations.



PROJECT REQUIREMENTS



TECHNICAL PARAMETERS

Optical, Environmental and Mechanical

IP protection	IP20
Dimensions	106 mm x 58 mm x 18 mm (without lever)
Detector weight	320 g
Operational temperature range	-20 – +70 °C
Rotary lever rotation range	30°
Temperature sensitivity	c. 10 pm/°C Temperature compensation FBG recommended

Fiber Optic Cable

Fiber type	SMF G.652
Fiber input/output	Ruggedized (protected against rough manipulation)
Fiber length	1 m typical
Fiber termination	Bare fiber (scissor cut for splicing) - default FC/APC - optional Other connectors - upon request

Mounting

Mounting surface	any
Mounting plates	Basic (four Ø3,2 mm corner holes) delivered together with the detector Special or L-shaped supplied upon request

All parameters can be customized upon request.

GET IN TOUCH WITH US
and we will recommend you the most suitable solution for your project.

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