

Huawei Fiber Optic Sensor Detection



Overview

Huawei OptiXsense EF3000-A50 is a distributed optical fiber sensing system that can quickly identify and accurately locate pipeline threats, and report alarms in real time using optical fibers deployed alongside pipelines. This technology, combined with big data/GIS mapping capabilities, offers differentiated, multi-dimensional, and intelligent detection and. Huawei used its Optical Summit at HUAWEI CONNECT 2025 in Shanghai to launch the F5G Advanced (F5G-A) product series and highlight ten global all-optical network showcases. The company said fiber networks are becoming the foundation for AI adoption across industries, with more than 2,000 enterprises. Huawei OptiX Sensing offers optical fiber sensing solutions for various industries such as oil and gas, transportation, electric power, and government. It can be used for detecting pipelines, utility tunnels, tracks, fences, water areas, and gas.

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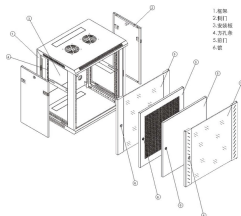
In campus networks, Huawei rolled out the industry's first symmetric 50G PON ONU, a zero-roaming optical AP, and a Wi-Fi 7 optical AP with integrated sensing. In oil and gas, Huawei's ...



How does Huawei use fiber optic sensors to detect intrusions and pinpoint their exact location, while minimizing false alarms? Watch now and explore more inn...



Discover Huawei's Precision Intrusion Detection with Fiber Optic Sensors! | How does Huawei use fiber optic sensors to detect intrusions and pinpoint their exact location, while minimizing false alarms?



Based on the distributed fiber sensing technology, the solution can identify pipeline pig signals and detect the running path of the pig in real time.



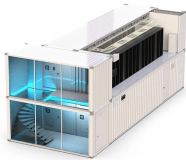
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It can quickly identify intrusion events, accurately locate intrusion events, and report alarms through optical fibers routed on perimeter fences, implementing online real-time monitoring and security ...



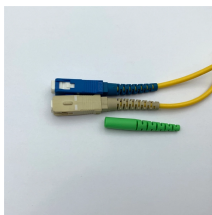
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The Huawei Sensing OptiX Optical Sensing Solution takes traditional optical fiber sensing technologies — such as distributed fiber vibration, temperature, pressure, and water quality...



Based on the distributed optical fiber sensing system, the Sensing OptiX for perimeter protection solution combines the leading optical sensing technology oDSP and sensing algorithm to provide unattended ...

Contact Us

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