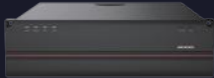
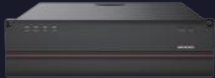
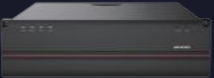


		Fiber-Optic Temperature Sensing 10 KM 4-Ch	Fiber-Optic Temperature Sensing 10 KM 8-Ch	Fiber-Optic Temperature Sensing 10 KM 12-Ch
Product Image				
Product Model		DS-QFT1004	DS-QFT1008	DS-QFT1012
Basic	Fiber Type	Multi-mode	Multi-mode	Multi-mode
	Channel	4	8	12
	Single-Channel Detection Range	10 km	10 km	10 km
	Positioning Accuracy	±0.5 m	±0.5 m	±0.5 m
	Temperature Range	-200-800 °C (actual temperature monitoring capability depends on the selected fiber optic).	-200-800 °C (actual temperature monitoring capability depends on the selected fiber optic).	-200-800 °C (actual temperature monitoring capability depends on the selected fiber optic).
	Temperature Accuracy	±1 °C	±1 °C	±1 °C
	Temperature Resolution	0.1 °C	0.1 °C	0.1 °C
	Alarm Response Time	≤5 s per channel	≤5 s per channel	≤5 s per channel
Function	Alarm Trigger	Constant temperature alarm, temperature rise alarm, temperature drop alarm, and temperature difference alarm	Constant temperature alarm, temperature rise alarm, temperature drop alarm, and temperature difference alarm	Constant temperature alarm, temperature rise alarm, temperature drop alarm, and temperature difference alarm
Interface	Fiber Interface	4 FC/APC fiber interfaces	8 FC/APC fiber interfaces	12 FC/APC fiber interfaces
	Alarm Out	32 Relay outputs	32 Relay outputs	32 Relay outputs
General	Power	100-240 V~50/60 Hz 0.5 A	100-240 V~50/60 Hz 0.5 A	100-240 V~50/60 Hz 0.5 A
	Power Consumption	<20 W	<20 W	<20 W
	Operating Temperature	-15 to 55 °C (5 to 131 °F)	-15 to 55 °C (5 to 131 °F)	-15 to 55 °C (5 to 131 °F)
	Operating Humidity	0% to 95% (± 2%)	0% to 95% (± 2%)	0% to 95% (± 2%)
	Dimension	134 × 483 × 498 mm (5.28" × 19.02" × 19.61")	134 × 483 × 498 mm (5.28" × 19.02" × 19.61")	134 × 483 × 498 mm (5.28" × 19.02" × 19.61")
	Weight	Approx. 10.1 kg (22.27 lb.)	Approx. 10.1 kg (22.27 lb.)	Approx. 10.1 kg (22.27 lb.)



www.hikvision.com
support@hikvision.com



Distributor Address

HIKVISION®

Fiber-Optic Temperature Sensing System

Intelligent sensing, exploring infinity

Meet Fiber-Optic Temperature Sensing System

Fiber-Optic Temperature Sensing System is perfect for applications requiring continuous and accurate temperature monitoring over long distances, ensuring reliability and efficiency in a wide range of environments.

Key Features

Continuous, accurate temperature measurement

- Real-time, 24/7 temperature monitoring
- -40 to 150°C wide temperature range
- $\pm 1^\circ\text{C}$ precision using HIK-DTS temperature compensation algorithm

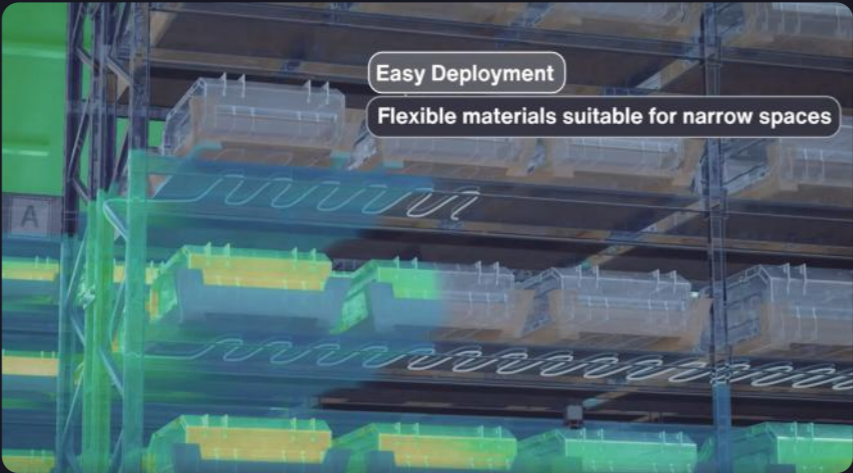


Efficient monitoring of multiple points over long distances

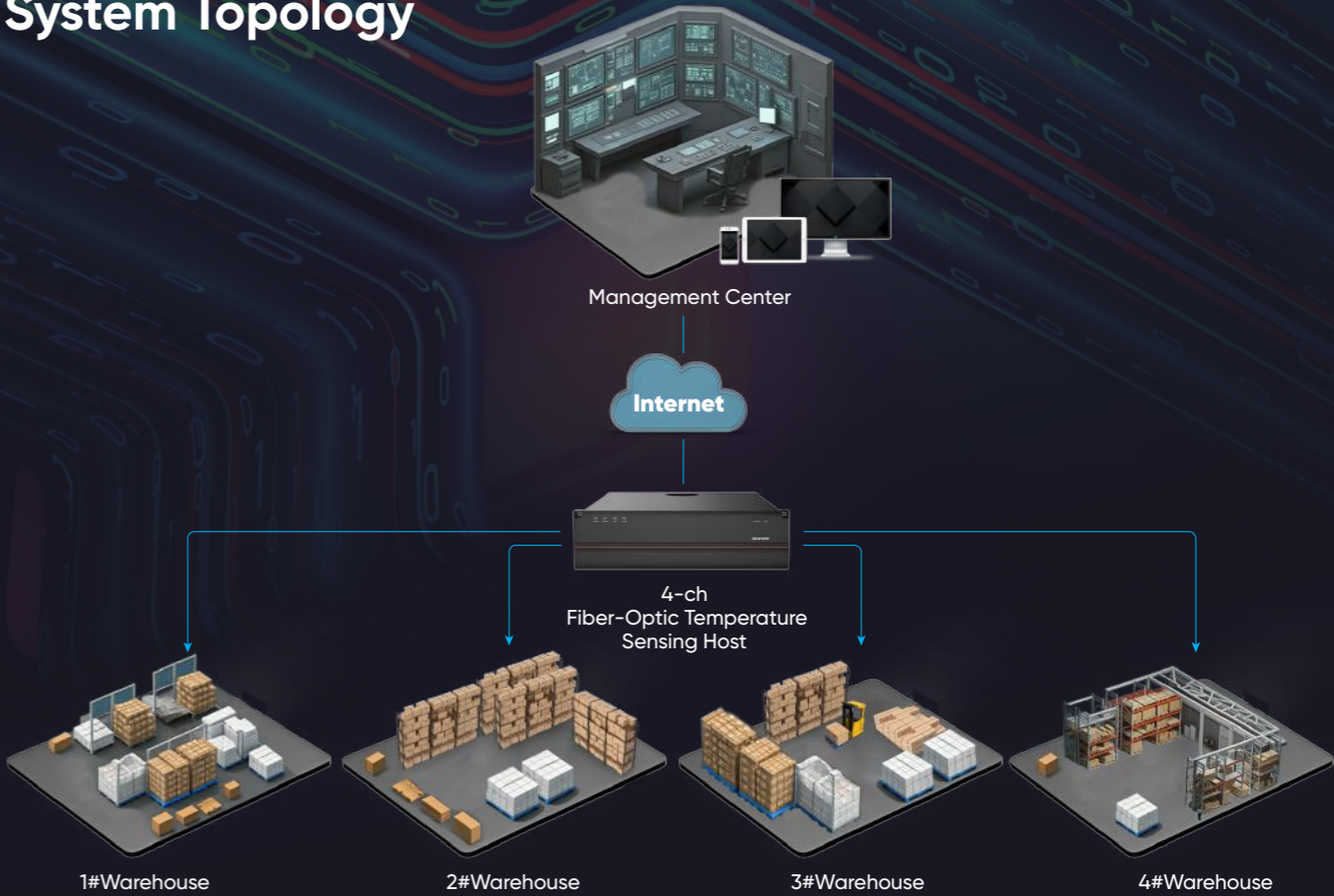
- Up to 10 km coverage per channel
- ± 5 m positioning accuracy, rapid location of temperature anomalies

Versatile and flexible deployment

- Soft and flexible fiber, fits small spaces and linear objects
- Multiple channel options (4, 8, 10, 12-ch) for easy setup
- No power grid needed, safe from fire and explosions



System Topology



Application Scenarios



Distribution Cabinets



Bus Ducts



Warehouse Racks



Pipelines