

Nortelco PORTADEKT

Portable fire detection system

Complete «self-sufficient» fire detection system which includes: fire detection camera, telescopic mast, wireless 4G transmission system to portable PC, mobile telephone, PC in car or 911.

Applications

- Fire plot supervision
- Festivals
- Concerts
- Flammable areas (forests etc.)
- Acute fire hazard areas



System description

The camera has two different alarms; **Fire risk alarm** (temperature triggered) and **Fire alarm** (open flame).

The camera detects temperatures that exceeds a free chosen preset level ex. 85°C. The fire risk alarm is sent to the central system, which gives audible alarm and displays a picture of the alarm area with alarm symbols and description of alarm type.

The camera detects open flames. Fire alarm is sent to the central system, which gives audible alarm and displays a picture of the alarm area with alarm symbols and description of alarm type.

Pictures from camera(s) are recorded continuously in the central unit for documentation and evaluation.

Alarms can be transmitted as SMS and/or e-mails with pictures of the alarm situation (e-mail only).

Mobile phones and other PCs (in cars, other portables and stationary) can receive alarms and live videos and also “re-wind” back in videos to wanted point in time.

Camera in mobile telephones can be used to record videos directly to the central unit for documentation. Video can be viewed live on other phones and PCs.

As an option 3G alarm transmitters at the camera site can send alarms directly to fire alarm receivers.

Operating voltage

Hardcase with camera and 4G transmission equipment is self-sufficient with built in 24V battery for appr. 8 hours operation (larger battery banks are available). In addition, there are external connector for 230VAC or 24VDC external power. Internal UPS ensures continuous operation when changing power source.

Portadek's two main elements

Camera/detection unit

- Camera
- Telescopic mast
- Hardcase including; batteries, 4G communication unit with antennas. PoE Ethernet switch for max. 3 cameras, External connector for 230VAC from mains or generator, UPS for automatic switchover between external power or internal batteries. Room in hardcase for 1 camera and 20 meters camera cable.
- Option: 3G alarm transmitter
- Option: Generator

Central unit (PC with equipment)

- 4G communication unit
- PC with alarm reception, display of camera video, display of alarm pictures, logging of events with comments, forwarding of alarms and video to mobile telephones, PCs in cars or other places, 911 etc. Video recording.



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System overview





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