

ReliSec AS

Dato: 02.08.2018



Att: Jonny Andersen

Solution and offer - Intelligent camera surveillance and perimeter defence -Alvdal.

4 units - Axis D2050-VE Radar Detector

4 units – IP PTZ, darkfighter, 23 x optical zoom, 200 M IR, vandal proof IK 10 HikVision

4 units – IP dome, varifocal, lightfinger kamera, IK10 vandal proof, 30m IR, 2 MP. AXIS

4 units - IP Horn, to-way communication – Axis

1 unit – Server 10 TB, local recording server(for cameras in containers)

16 units - License MileStone XProtect Corporate

X units – License MileStone XProtect Express (for cameras in containers) NOK 600,- pr license

1 unit – Jablotron Alarm Sentral JA-106

18 units – Jablotron Fire detector , smoke and heat detection.

12 units – Jablotron Magnetic contact

1 unit – Jablotron Panel (Alarm can be controlled with APP as well)

Perimeter defense:

For perimeter defense we have chosen to use Axis Radars to trigger alarms. These are superior for outdoor detection where camera/pixel analytics might fail or produce false alarms. They will be coupled with 4 PTZ cameras. The cameras will be used for investigation of triggered alarms from the radar system.

The radar system will perimeter defend the the containers.

The objective is to trigger alarms if any person(s) or vehicle(s) enters the alarmed zones.

This is in our experience the most modern, high tech, reliable and best solution for outdoor perimeter defense outdoor available today. We can comfortably deliver this solution for high value objects. It is superior to optical and thermal camera analytics solutions.

In the admin building we use optical analytics from four cameras mounted at strategic places within the building.

See illustration

The area will be very clearly marked with signs informing that the area is surveillanced and alarms are in place.

First line action: Speaker horns will be used to deter and abort unwanted behaviour. In 99% of the cases, the speakers efficiently aborts any unwanted behaviour and makes the unauthorised person(s) leave the area.

Second line action if needed : Local security company will send security guard/ police will be sent to location.

Container cameras will record locally on a server with Milestone XProtect VMS. There will be 10 TB of available raw storage, half after RAID is configured for redundancy. This will be sufficient for 35 - 2 MP cameras recording on motion. Discs used will be Wester Digital Purple , designed for 24/7 video recording.

Fire detection and magnetic contacts container doors:

A fire alarm system will be installed with 12 fire detectors. 1 detector in each container and 6 detectors in the adm. building. The alarm will be monitored by ReliSec Alarmstation. The fire detectors react to both heat and smoke (optical) abnormalities.

Magnetic contact will be mounted on container doors. Alarm will be triggered when door is opened.

Key information:

Perimeter defense activation:	23:00 – 06:00
Fire alarm detection/magnetic contacts doors :	24/7
Video recording:	7 days , 24/7 recording on motion.
Service:	6 month intervals.

Warranty:

3 years

Prerequisite:

- Access to site and necessary technical rooms in buildings.
- Internet access with a minimum of 50 Mbit/s upload speed, static IP-address and connection details.

Pricing:

Cost of equipment and installation, not included digging and cabling : 388.500 ,- NOK

Cost of fire alarm monitoring pr month : 920,- NOK/month

Offer is based on a binding agreement for 36 months.

Cost of perimeter defense monitoring pr month: 4730,- NOK/month

Offer is based on a binding agreement for 36 months.

The system is supplier independent and can be monitored by other security companies after the binding agreement period is over.

Service and maintenance:

6 month intervalls : 8000,- NOK/6 months

All prices are excluded VAT 25%.

References can be provided. We have solid references from major companies in Norway.

If any questions arise I can be contacted at **+47 46 74 94 74** between 08:00 and 23:00 CET or by email oen@relisec.com.

The offer is valid 90 days and the information is confidential.

Kind regards

Øystein Nagelgaard

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