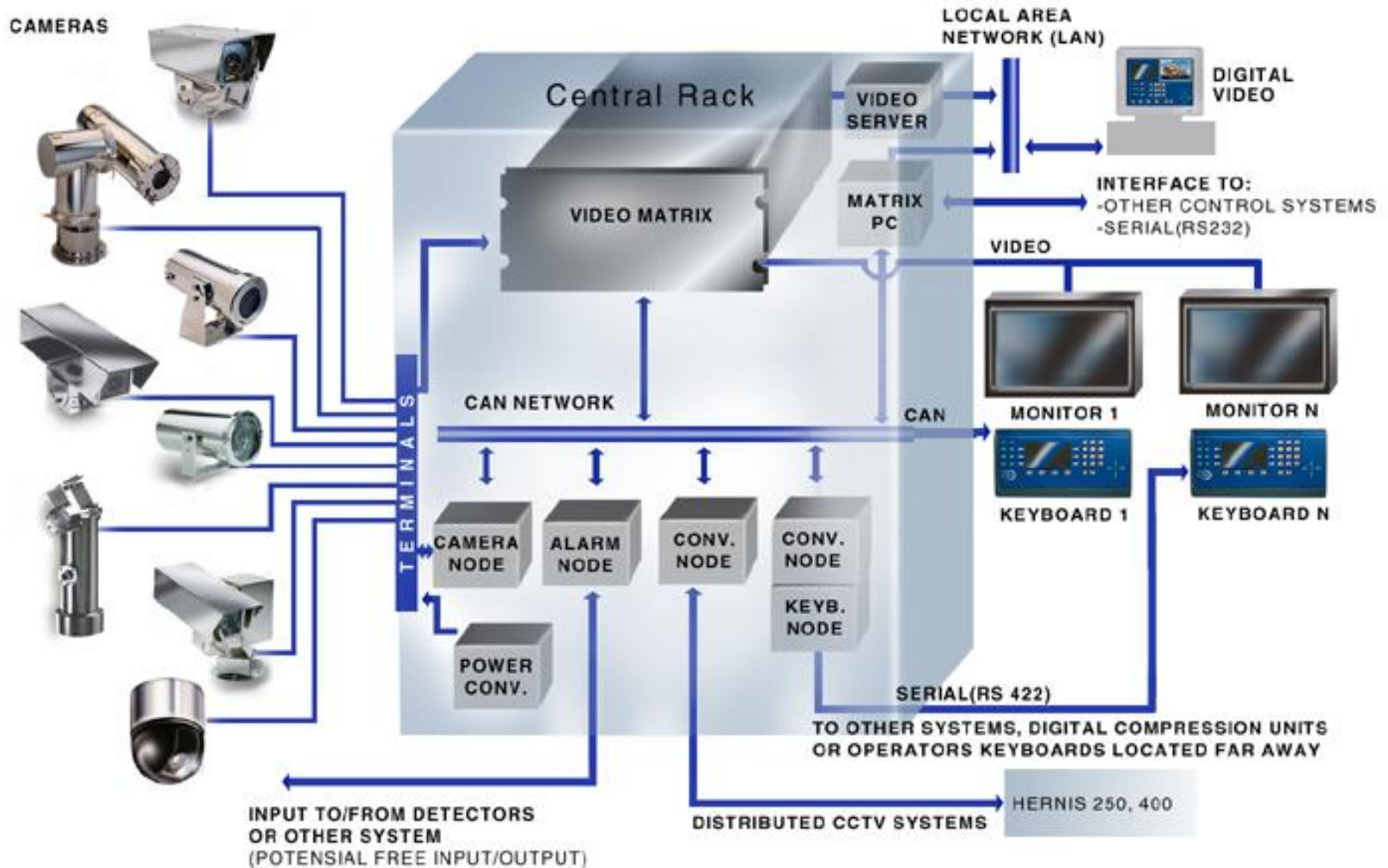


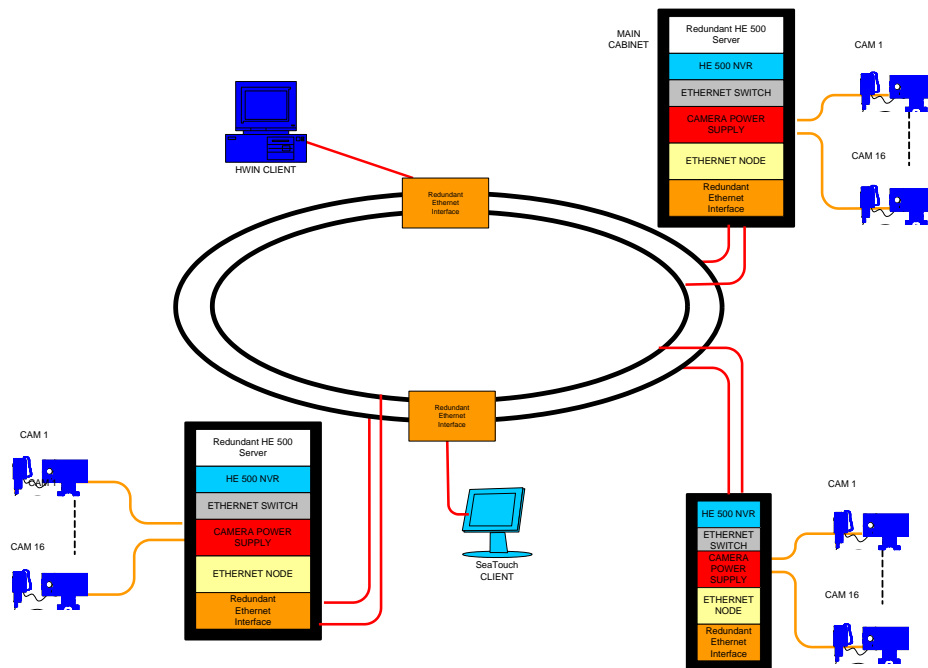
HERNIS Control Systems

- **HERNIS Basic.**
- **HERNIS 400 Compact.**
- **HERNIS 400.**
- **HERNIS 500 IP.**
- **Various crane tv systems**

HERNIS 400 System



HERNIS 500 System. IP based



- Modular software for Ethernet CCTV systems.
- Runs on a Windows platform.
- May be used with traditional analogue systems, hybrid systems, or pure Ethernet systems.
- Redundant system server.

Camera Station



EX 285



General description

- Explosion proof – CENELEC Exd Class 1 Div II T6
- Pan/Tilt
- Variety of camera and lens configuration
- Easy to install
- Maintenance free

Technical data

- Weatherproof enclosure IP66
- Stainless steel AISI 316L enclosures
- Internal cabling – Exe junction box
- Optional wiper/wash facilities
- Telemetry control for HERNIS 250/400 System
- Internal heating – thermostatically controlled
- Low weight

Camera Station



EX 286



General description

- Explosion proof – CENELEC Exd Class 1 Div II T6
- Pan/Tilt
- 18 x Zoom
- Easy to install
- Maintenance free

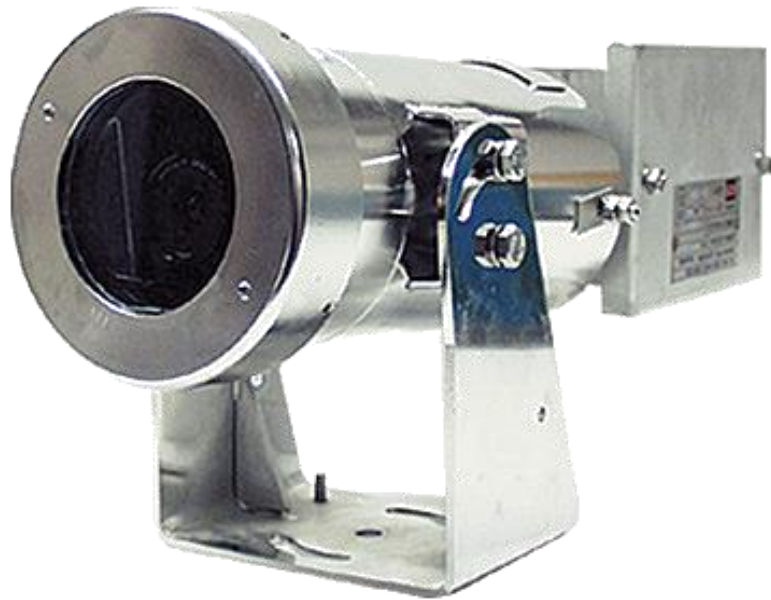
Technical data

- Weatherproof enclosure IP66
- Stainless steel AISI 316L enclosures
- Internal cabling – Exe junction box
- Optional wiper/wash facilities
- Telemetry control for HERNIS 250/400 System
- Internal heating – thermostatically controlled
- Low weight

Camera Station



Ex291



General description

- Explosion proof – CENELEC Exd Class 1 Div II T6
- Fixed
- 18 x Zoom (optional)
- Easy to install
- Maintenance free

Technical data

- Weatherproof enclosure IP66
- Stainless steel AISI 316L enclosures
- Internal cabling – Exe junction box
- Telemetry control for HERNIS 200/250/400 System
- Internal heating – thermostatically controlled
- Compact design

Camera Station



PT 9



General description

- Safe Area
- Pan/Tilt
- 18 x Zoom
- Easy to install
- Maintenance free

Technical data

- Weatherproof enclosure IP66
- Stainless steel AISI 316L enclosures
- Internal cabling – Exe junction box
- Optional wiper/wash facilities
- Telemetry control for HERNIS 250/400 System
- Internal heating – thermostatically controlled

Camera Station



S-7 Mini



General description

- Safe Area
- Fixed
- Easy to install
- Maintenance free

Technical data

- Weatherproof enclosure IP66
- Stainless steel AISI 316L enclosures
- Telemetry control for HERNIS 200/250/400 System
- Ultra Compact design

Camera Station



Camcool II



General description

- Safe Area
- Fixed
- Easy to install
- Maintenance free
- Cooling Element

Technical data

- Weatherproof enclosure IP66
- Stainless steel AISI 316L enclosures
- Internal cabling – Exe junction box
- Telemetry control for HERNIS 200/250/400 System
- Max. ambient temperature 70°C
- Compact design

Camera Station



Crane-TV



General description

- Explosion proof – CENELEC Exd Class 1 Div II T6
- 18 x Zoom
- Hydraulically stabilised
- Easy to install
- Maintenance free
- Control panel included

Technical data

- Weatherproof enclosure IP66
- Stainless steel AISI 316L enclosures
- Internal cabling – Exe junction box
- Internal heating – thermostatically controlled
- Compact design

Ex285T Thermal



- Primarily for the Oil and Gas market.
- SS316L, Exde IIC T6, IP66
- Based upon an un-cooled camera, 7-14 μ m range. Res.: 320x240 pixels.
- Can be used with all Hernis CCTV Systems.
- Fixed lens, 18, 25, or 50mm.
- Delivered with or without wiper/washer.
- Export restrictions may apply.

Camera Station



PT 36



General description

- Night time surveillance in marine environment
- Detect oil spills on water surface
- Personell detection up to 500 m range
- Vessel detection

Technical data

- Long-wave infrared imaging device, Un-cooled, 7-14 μ m range. Res.: 320x240 pixels
- No external cooling required
- Weatherproof enclosure IP66
- Stainless steel AISI 316L camera housing
- Internal cabling
- Optional wiper/wash facilities
- Telemetry control for HERNIS 250/400 System
- Product applies to export restrictions

PT36W Dual



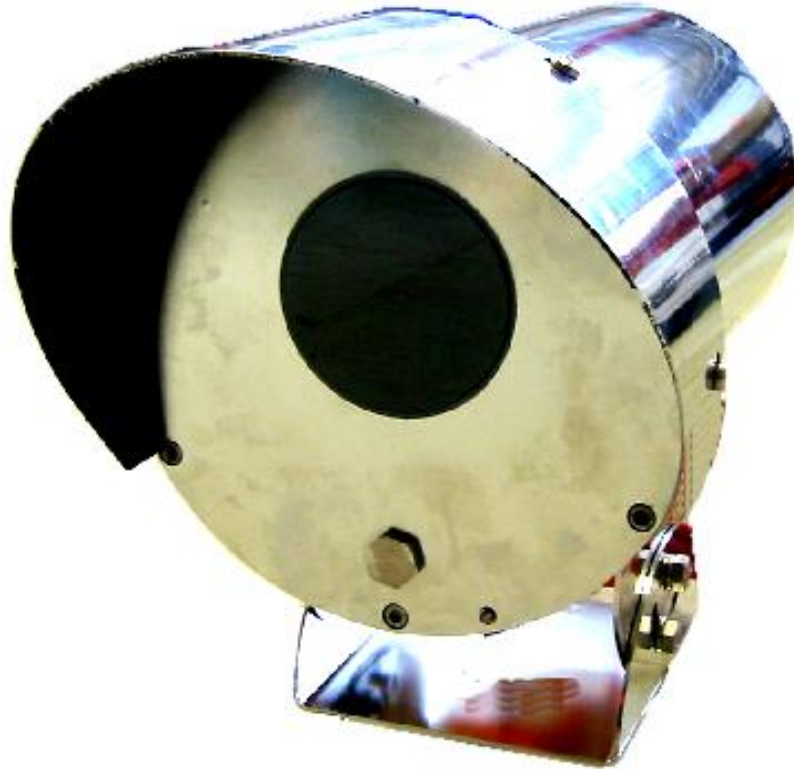
- Primarily for the Shipping market.
- SS316L, IP66
- Based upon an un-cooled camera, 7-14 μ m range. Res.: 320x240 pixels.
- CCD camera; 1/6" 460TVL 25X zoom.
- Can be used with all Hernis CCTV Systems.
- Fixed lens, 50 or 75mm, motorized focus, iris control.
- Delivered with or without wiper/washer.
- Export restrictions may apply.

PT40 Camera Station



- Primarily for the Security / Shipping market. Project specific production.
- SS316L, IP66
- For cooled / un-cooled thermal imagers, 3-5 / 7 – 14 μm . Can be used for large camera & lens combinations.
- Can be used with all Hernis CCTV Systems.
- May be equipped with dual camera housings for thermal & CCD or CCD & light combinations.
- Delivered with or without wiper/washer.
- Export restrictions may apply.

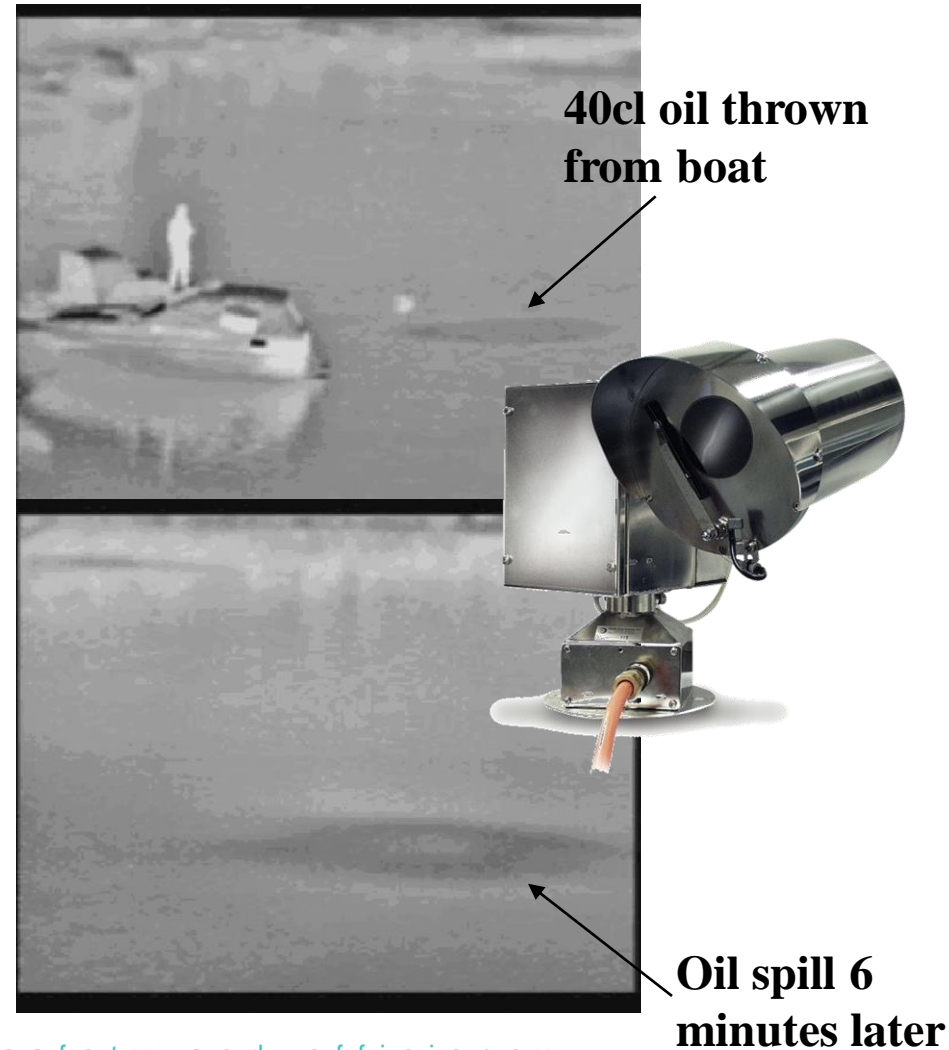
S10 Fixed Thermal



- Primarily for the Security / Shipping market. Project specific production.
- SS316L, IP66
- For cooled / un-cooled thermal imagers, 3-5 / 7 – 14 μm . Can be used for large camera & lens combinations.
- Can be used with all Hernis CCTV Systems.
- Delivered with or without wiper/washer.
- Export restrictions may apply.

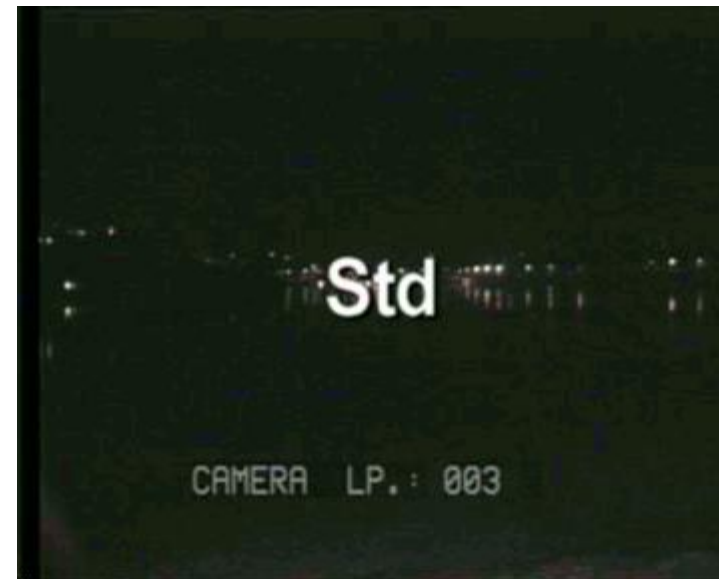
Thermal Camera PT36W

- Weatherproof camera station designed for night time surveillance in marine environment.
- Detects oil spills on water
- Personnel and vessel detection in total darkness.
- Long-wave infrared thermal imaging device
- Complete and fully tested with camera, lens and telemetry control
- Export restrictions applies



Low light camera

- The following two video clips show the difference between a standard 1 lux high resolution JVC camera and the CST solid state low light camera, - (0,0007 lux)



Multicable

The cost effective solution

- One common cable for Power, Control and Video
- Meet requirements for:
 - Onshore Plants
 - Marine Installations
 - Offshore Installations
 - Drilling Areas
- Easy installation
- Reduced cost



Cables / Transmission



- HERNIS designed multicables
- Fibre Optical Cables
- Owner's cables (coax / twisted pair / power)
- Twisted Pair
- Codec
- LAN /WAN
- Radio / Microwave
- Satelite link

Monitors

- High resolution CRT
- Exp/Exd versions
- LCD/Plasma



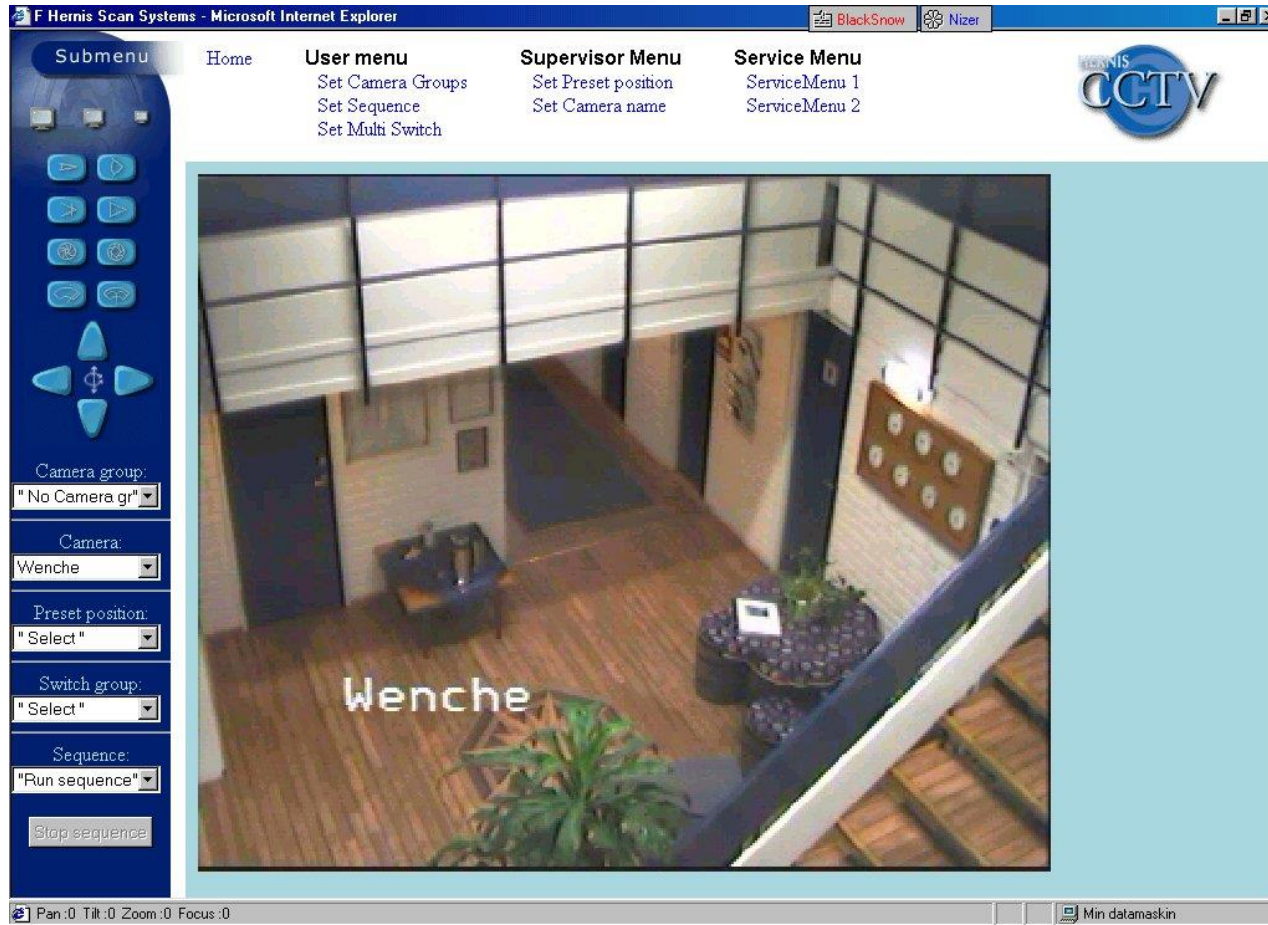
Operators Keyboard



- Available as Desktop, Flushmount, Rackmount
- Sample shown is OK400D JS

HERNIS Control Software

HWIN-400 for Windows



HERNIS Control Software

HWIN-400 for Windows



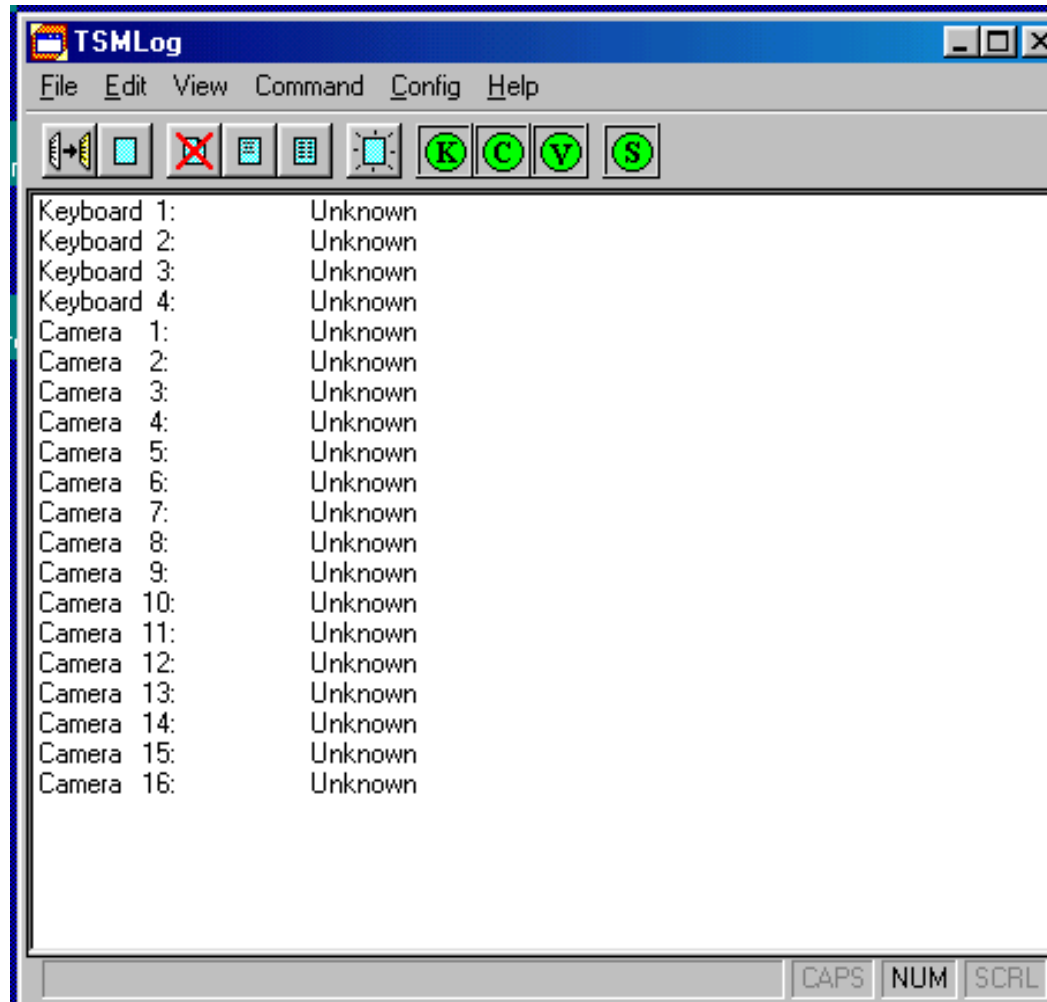
HERNIS Control Software

SeaTouch



HERNIS Fault & Diagnostic SW

HFD-400 for Windows



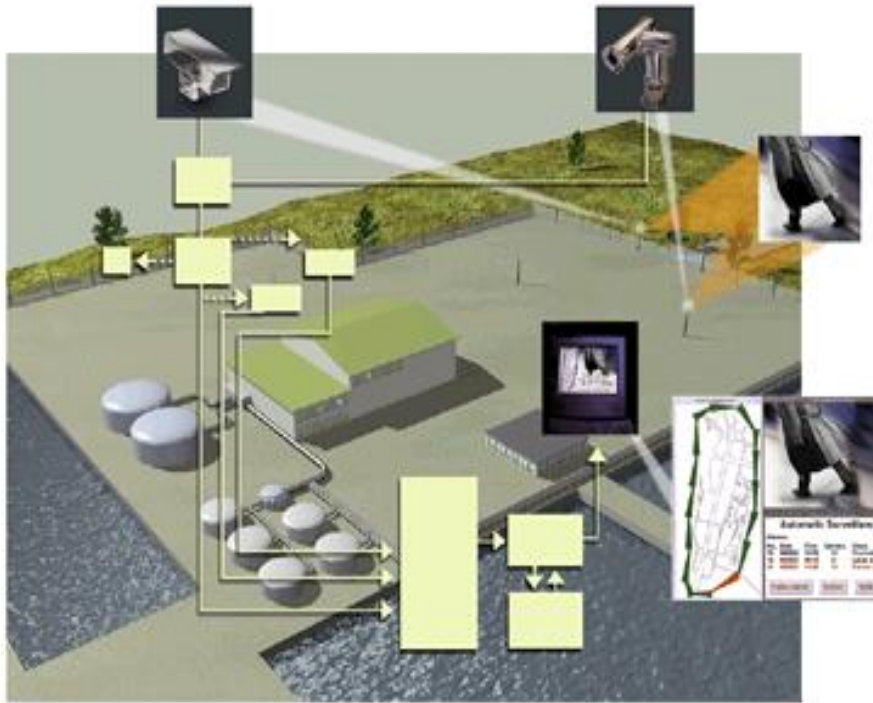
Distributed Control System (DCS)

HERNIS CCTV has been interfaced to distributed control system such as:

- *Autronica*
- *Kongsberg Simrad*
- *Honeywell*
- *Foxboro*
- *Siemens*
- *ABB + Bailey*



Example of Advanced VMD



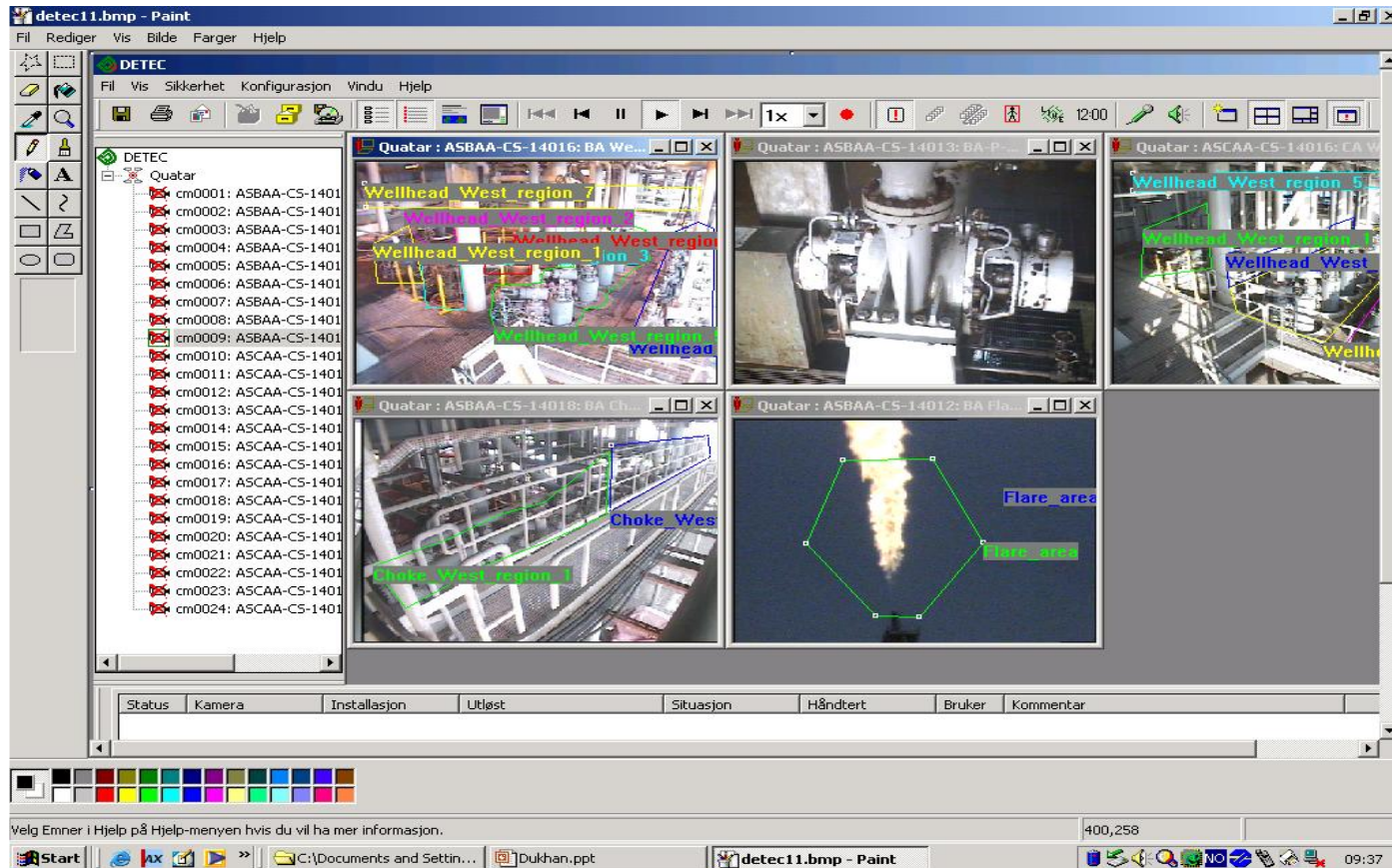
Protection of :

- Air bases
- Petrochemical Installations
- Military Installations
- Vessels

Detects on :

- Peripheris
- Areas
- Objects (ie. Vapor, smoke, fire etc.)

Defining alarm areas #1



CCTV System for Refineries



CCTV System for Gas Plants



Why Hernis?

