

Field Surveillance Technologies

The CCTV package is specifically designed for monitoring oil and rig fields during maintenance activities. This portable system includes two types of camera masts: one freestanding and another container mounted. Both masts feature hydraulic power packs for raising and lowering operations.

The package comprises two (2) thermal cameras and three (3) visual cameras. Thermal imaging cameras are dedicated to monitoring flaring activities, while the visual cameras provide general surveillance. All video feeds are managed centrally from the command centre.



Thermal Camera mast

Traditional Camera Installation:

- Camera and controllers should be permanently installed
- Installation risks at hazardous zone
- Integration with third party relay / alarm systems

Mobile Surveillance Unit:

- Can be installed on demand
- Plug and play system
- Controller cabinet is with integrated relay module

Specifications			
PTX Camera x1	• Upto 200 meters day and night - field of view • Explosion proof certificates: IECEx, ATEX • 33x optical zoom 4.5 - 148.5mm F1.5 - F4.0		
Fixed Camera x2	• Upto 200 meters day and night - field of view • Explosion proof certificates: IECEx, ATEX, KCs		
Thermal Camera x2	• Upto 350 meters thermal (336x256 pixels) • Explosion-proof certificates: IECEx, ATEX • Object temperature range: -40 to +550°C		
Controller & Relay module	• Storage as per the requirement of recording days • Alarm output & integration to various system possibility • Analytics		
Mast 1	• Free standing hydraulic operated mast		
Mast 2	• Container attached hydraulic operated mast		
Cable reel cabinet x2	• 350m FOC / electrical multi cable, 50m in ex conduit for Zone 1 use		

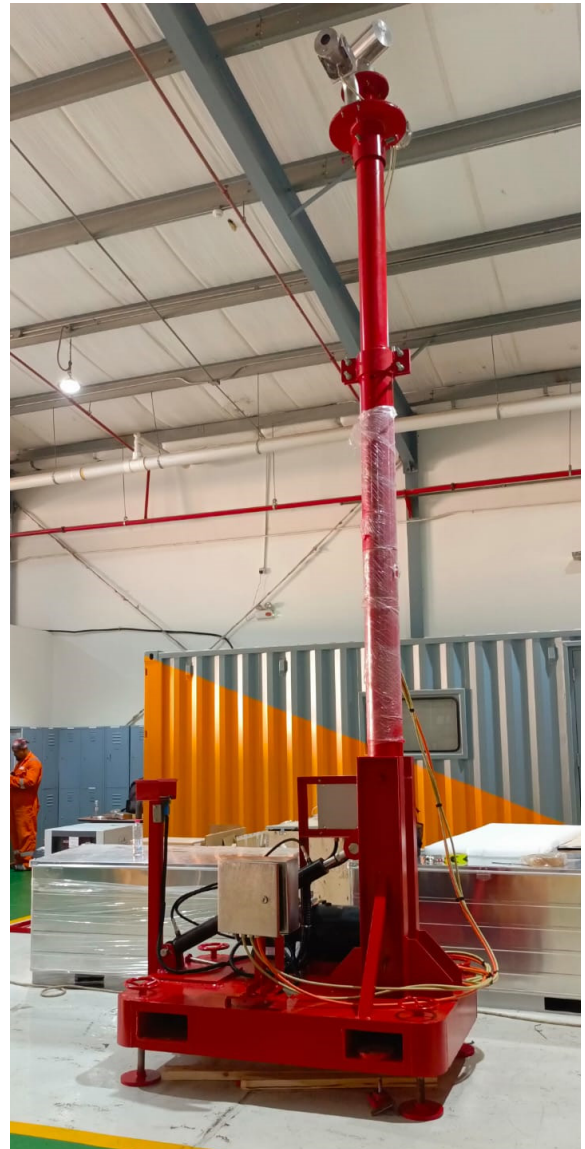
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Installation:

- Camera can be mounted to free standing post
- Camera can be mounted to container attached post
- Post raise / lower operation - hydraulic jack
- Whole system work as mobile package
- Reach of high raised installation
- Cable reel cabinet from post to controller Ex / Non-Ex rating
- Cable drums can be attached to reach higher range
- Solar power supply option

Intelligent events / Analytics:

- From controller:
 - Defocus & directional detection
 - Motion detection: an event occurs when motion is detected in the area of interest set in the camera
 - Crossing: an event occurs when an object crossing a virtual line set on the camera is detected
 - Enter / exit: an event occurs when a moving object enters / exit from outside to inside or vice versa of the virtual area set in the camera
 - Appear / disappear: when an object within the area does not exist or appear for a certain period
 - Explosion: an event occurs when the camera detects an explosion
 - Flair: an event occurs when the camera detects positive or negative flame



Container attached surveillance camera mast