



## DEFENCE AND SPACE

Protection of Critical Infrastructure

# SKL Mobile Surveillance System

Autonomous system for the protection of parked aircraft

### Overview

For the temporary protection of helicopters and aircraft Airbus Defence and Space has developed the SKL Mobile Surveillance System solution which is specifically designed to meet the high security requirements of civil aviation and military customers.

### Key Benefits

- Reliable and valid intrusion alerts
- Day and night surveillance through integrated infrared camera system and illumination
- Quick and simple deployment
- Pre-defined or user-defined detection zones
- Simple operation of user front end for both mobile and fixed workstations
- Modular design for easy system expansion
- Resistant to manipulation through permanent system monitoring
- Complete stand-alone solution with wireless communication and autonomous power supply

The SKL is a mobile surveillance system which functions autonomously and provides different protection modes to meet the operational requirements of the user. The units are quickly and easily positioned to the defined protection area (surrounding fixed-wing aircraft or helicopters). Once switched on the SKL connects automatically with the Do-MaX Security Management System.

The security management software automatically locates the SKL sensor units and visualises the operational status of each unit via a graphical interface. With a single click the protection mode is set and the sensor units are activated. An invisible surveillance field is then generated to detect any intruders entering the area.

If an alarm is raised the live camera stream from the SKL unit will automatically be displayed to the operator. Additionally an alert screen will appear to support the operator in taking immediate countermeasures. The software can also support operators in following necessary post-event procedures. All incidents are recorded and logged in the Security Management System.

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Standard features of the SKL Mobile Surveillance System	
Usage	The SKL Mobile Surveillance System generates an invisible surveillance and detection field which protects the relevant area.
Architecture	The system consists of mobile SKL units, sensors, network infrastructure and the Do-MaX central alarm management system.
Operation	One person can handle and operate the units. The units can be freely positioned on the airfield or parking area. Depending on the size of the aircraft and its shadowing, two or more SKL units are located to provide full surveillance. Afterwards, the installing person sets up the shape of the protection field.
Main function	<p>The main function of the unit is to determine whether persons or vehicles have entered a defined area.</p> <p>The laser scanner can detect an intrusion at a distance of up to 32 metres. The semi-circular detection zone can easily be shaped according to particular needs.</p> <p>The integrated dome camera, which can be remotely controlled by the operator, allows for 360° observation around the SKL during both night and day.</p>
Wireless Connectivity	The SKL transmits and receives in the 2.4 GHz and the 5 GHz frequency bands, the same bands used in WLAN systems and therefore do not require a radio transmitting licence. Mesh radio technology provides stable communication even for large-scale installations. Alternatively, the SKL units can be linked by standard Ethernet cable.
Power supply	The SKL units are powered by a rechargeable battery pack that lasts up to 18 hours (depending on the temperature). For longer duration fuel cells are available that extend the onset time to 5 days with one tankful. For stationary applications the units can be also connected to the mains.
Camera system	<p>Minimal sight area: 10 cm</p> <p>Viewing angle: 360° all round</p> <p>Zoom: optical: 36 x, digital: 32 x</p>
Environmental conditions	Min: -20°C, Max: +50°C
Weight of SKL	31 kg without batteries

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