EVS
Enhanced Vision System For Pilots

- Military and civil application
- High-Definition InfraRed imagery
- All weather conditions
- Optimised situation awareness during:
  - taxiing
  - takeoff
  - low-altitude flight
  - approach
  - landing
- High-Definition digital image
- Built-in sensor window anti-icing
- High reliability
- Compact and easy to integrate
EVS
Enhanced Vision System for Pilots

MAIN FEATURES
- High-Definition InfraRed imagery
- Detection of the runway lights
- Advanced image processing
- Single unit
- Built-in sensor window anti-icing
- Low aerodynamic drag

TECHNICAL CHARACTERISTICS
- Dual spectral band
- Wide field of view: 35° x 26°
- Definition: 1024 x 768
- 4 video output in optical fibre
- Built-in Test
- Weight: less than 10 kg
- Volume: 12 litres
- Average power consumption: less than 80 VA
- Power supply: 115 V / 400 Hz

MISSIONS & FUNCTIONS
- Increase the operational availability of the platform (reduce the operating minima)
- Increase security at all flight phases (taxiing, takeoff, medium/low altitude flight, approach, landing)
- Increase the pilot awareness:
  - at night,
  - in poor weather conditions, for a perfect visibility of the environment

TAXIING / TAKEOFF
EVS gives the pilot a clear picture of the environment ahead and shows the centre and edges of the runway. It considerably enhances the detection of runway intruders and obstacles.

MEDIUM / LOW ALTITUDE FLIGHT
EVS generates a wide-field image, easily comprehensible, that makes it easy to take visual cues from relief, vegetation, infrastructure and objectives.

APPROACH / LANDING
A clear long-range view of the airport and runway lights (thanks to the use of two spectral bands) – irrespective of weather conditions – contributes to a safe approach and touchdown.