



A Brief history of Pilatus PC-12 Special Missions Aircraft

1995 ----- The PC-12 Eagle was born. The aircraft was equipped with a WESCAM 16DS IR/EO System that was integrated into a removable under-fuselage pod. It debuted at the Dubai Air show in December.

1996 / 97 - Pilatus added a Sea View maritime radar and a BMS long range data link to the EO/IR System to allow maritime operations with the capability of a real time image, voice & data transmission to a mobile ground station that was up to 130 Km (70 NM) away. After intense testing in Switzerland, the Eagle HB-FOG was flown around the world for demonstration purposes. This highly successful tour showed that the aircraft and its mission equipment were rugged and very reliable in all kinds of conditions.

1999 ----- The Eagle was modified and used as an airborne mobile phone relay station prototype.

2002 ----- The PC-12 Spectre project was launched based on demand from state, local and federal government agencies for a low-cost flexible surveillance platform.

2003 ----- The PC-12 Spectre aircraft successfully completes FAA certification flight testing. Type certificate anticipated in September. The United States Bureau of Immigration and Customs Enforcement becomes launch customer for PC-12 Spectre.

The PC-12 Spectre builds on the success of the PC-12 Eagle project. Combining new innovative ideas provided by operators in the field, this extraordinary surveillance aircraft is quickly defining itself as an unmatched platform for aerial surveillance.



The Operator Station is designed to incorporate the latest in avionics, displays and technology while combining the highest degree of comfort for the operator. The seat is designed for maximum comfort on long missions while providing PART 23 certification crash worthiness. The consol itself includes additional space for mission specific electronic equipment including radios, controllers, displays, and recording devices.

The lift platform mechanism is designed around a single jackscrew with two independent motors. Low profile doors minimize aerodynamic drag when the camera is deployed. The mechanism has two fully independent motors with a manual backup extend retract capability and a ground pre-flight position.

Cabin Volume	330 cu. ft.
Operational Ceiling	30,000 ft. (with pressurized cabin @ 10,000 ft)
Operational Speed Range	80 to 270 kts.
Stall Speed	64 kts.
Seating	2 pilot seats plus up to 9 pax
Standard Cargo Door	53 in. x 52 in. (accepts standard pallets)
Landing Distance [MTOW]	1,830 ft. (over 50 ft. obstacle)
Takeoff Distance [MTOW]	2,300 ft. (over 50 ft. obstacle)
Max. Range	2,261 nm. (standard configuration)
Max. Payload	3,108 lbs. (standard configuration)



SPECIAL MISSIONS

Pilatus PC-12 Spectre Special Missions Surveillance System Includes:

- Retractable Sensor Lift Platform
- Operator's Console incorporating:
 - Two display monitors
 - One digital video recorder
 - One communications audio panel
 - Lift-platform control
- All electrical and mechanical provisions for EO/IR sensor
- Lavatory
- Executive-style seat at Operator's Console
- Six (6) Standard-style seats, plus one (1) Executive-style seat
- a total of seven (7) cabin seats.

Supplemental Type Certificate for the operation of Spectre with one of the following EO/IR sensors: FLIR Star Safire II, FLIR Star Safire III, and WESCAM MX-15.

Note: EO/IR Sensor is priced separately and not included in the basic Spectre price.

The basic Spectre package is priced at \$650,000. For price quotes on equipment deviations from the basic Spectre option, please contact a Pilatus Government Sales Representative.

<http://www.pc12spectre.com>