PILOTUS PC-12 SPECTRE

The Most Versatile Asset in the Air

For law enforcement agencies, the military and Homeland Security departments, the ability to acquire information is just as important as the ability to act on it. The PC-12 Spectre provides the only true multi-mission surveillance aircraft available to meet today’s operational realities and tightening budgets. The Spectre costs millions less to procure and is less than half the cost to operate than much of the competition. It has a rugged airframe suitable for military missions and enduring reliability. Considering its unmatched mission scope, the PC-12 Spectre may in fact be the most valuable asset in your arsenal.

Expand Your Envelope

With the Spectre’s broad performance range, you’ll never need to look for ways to use it. — By 2,000 nautical miles (LRC, VFR reserve), carry a 2,122-pound payload (Spectre configuration) or loiter on station for up to eight hours. Respons at a descent speed of 280 knots or throttle back and circle at 115 knots. The wide speed range also enables pilots to easily sequence with airliners on approach to major airports or to slowly settle down over a 2,500-foot dirt strip.

UNMATCHED PERFORMANCE

With the Spectre’s unmatched performance range, you’ll never need to look for ways to use it. — By 2,000 nautical miles (LRC, VFR reserve), carry 2,122 pounds of payload (Spectre configuration) or loiter on station for up to eight hours. Respond at a descent speed of 280 knots or throttle back and circle at 115 knots. The wide speed range also enables pilots to easily sequence with airliners on approach to major airports or to slowly settle down over a 2,500-foot dirt strip.

Utility Door

The highly innovative Utility Door is actually a door within a door. This configuration maximizes available space while allowing dual-size openings to facilitate specific requirements. The Utility Door can be used for specialist parachute work or dropping objects such as medical supplies or relief materials. In essence, the Utility Door offers a facility to deploy different mediums from an airplane that can slow down to perform its mission, while later re-pressurizing and speeding back up to high-cruise speeds at altitude. For the ultimate versatility, it is hard to beat the PC-12 Spectre equipped with the optional Utility Door.

Reconfigurable Interior

With the PC-12 Spectre, one acquisition buys you a multi-role aircraft. While its surveillance package will identify targets, its passenger and cargo capability can transport your tactical teams and equipment exactly where needed.

Airborne command and control, interdiction, search and rescue, incident response and cargo transport missions — the Spectre fits it all. It can be reconfigured quickly so the surveillance system isn’t taking up other capabilities when not in use. The whole camera operator station can be removed in a few simple steps — unlatch the console and unplug its single quick-disconnect wiring harness and you have full use of the cabin for nine passenger seats, or palletized cargo.

The Spectre’s flexible design also excels at air medical missions. Its pressurized, 330-cubic-foot cabin accommodates up to three patients, in addition to life support equipment and medical personnel.
all-Weather operations
A full complement of ice detection and protection systems has earned the PC-12 certification for flight into known icing conditions.

Trailing-Link Gear
Short and unimproved fields are no challenge for the PC-12’s Fowler flaps, low-pressure tires, robust trailing-link gear, reversible pitch propeller and 66kt stall speed.

Sensor Integration
The PC-12 can be outfitted with a variety of special-missions equipment, including long-range EO/IR cameras and sensors, all of which can be easily integrated and concealed.

Single Pilot Operation
Advanced ergonomic cockpit design offers intuitive situational awareness and flight management with the Honeywell Primus Apex system.

Reconfigurable Cabin
Choose the ideal layout for each flight. The cabin can be quickly reconfigured for surveillance, 9-seat transport, combi, air ambulance, or cargo missions.

Proven Turbine
The PC-12 is powered by the most dependable turboprop engine in the world, the Pratt & Whitney PT6. A smooth 1,200 shp is delivered for takeoff and climb.

Pressurized comfort
Travel above the weather and work in a shirt-sleeve environment. The PC-12’s cabin provides pressurized, climate-controlled comfort up to 30,000 feet.

Large Cargo Door with utility door option
A standard aft cargo door with a 53” x 52” opening allows the loading of palletized cargo and accommodates up to 2,910 pounds (1,320 kg) of cargo with ease.*

*Specs subject to any equipment removal.

Pilatus Aircraft Ltd
With nearly 70 years of experience, Pilatus Aircraft Ltd has earned its place as the largest single-engine turboprop manufacturer in the world. In both the civilian and military markets, Pilatus enjoys a reputation for utilizing the most modern design techniques, precision engineering and cutting-edge manufacturing processes to produce its high-performance aircraft. The PC-12 Spectre extends this remarkable history one step further.

PC-12 Spectre Specifications

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
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<tbody>
<tr>
<td>Cabin Volume</td>
<td>330 cu. ft.</td>
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<tr>
<td>Operational Ceiling</td>
<td>30,000 ft.</td>
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<tr>
<td>Operational Speed Range</td>
<td>115 to 280 kts. TAS</td>
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<tr>
<td>Stall Speed</td>
<td>66 kts. IAS</td>
</tr>
<tr>
<td>Seating (Spectre)</td>
<td>2 pilot seats plus up to 7 cabin seats</td>
</tr>
<tr>
<td>Seating (Standard)</td>
<td>2 pilot seats plus up to 9 cabin seats</td>
</tr>
<tr>
<td>Standard Cargo Door</td>
<td>53 in. x 52 in. (accepts standard pallets)</td>
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<tr>
<td>Landing Distance [9,920 lb.]</td>
<td>1,830 ft. (over 50 ft. obstacle)</td>
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<tr>
<td>Takeoff Distance [10,450 lb.]</td>
<td>2,650 ft. (over 50 ft. obstacle)</td>
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<tr>
<td>Max. Range (LRC, NBAA IFR Res)</td>
<td>1,732 nm. (Spectre configuration with 3 crew)</td>
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<tr>
<td>Max. Payload</td>
<td>2,122 lbs. (Spectre configuration)</td>
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<tr>
<td>Endurance</td>
<td>8 hours (at typical Spectre mission weight)</td>
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The Spectre Package Includes:
- Retractable Sensor Lift Platform.
- Operator’s Console: Two display monitors, digital video recorder, communications audio panel, and lift-platform control.
- Inflatable Restraint System for Operator’s Seat.
- All electrical and mechanical provisions for EO/IR sensor.
- Fully enclosed flushing lavatory.
- Executive-style seats at Operator’s Console and observer’s station.
- Five (5) Standard-style seats (for a total of seven cabin seats).
- Certified integration of the client’s EO/IR sensor to the aircraft.

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SPECIAL MISSION EXPERTS