

# PC-12 Aerial Survey Platform



No matter what your aerial survey mission is, it requires an economical and reliable platform with long range and versatility. RUAG Aviation's innovative solution makes the Pilatus PC-12 the perfect partner for your business.

## Outstanding aircraft reliability

The PC-12 has gained a high reputation for outstanding versatility, performance and operational flexibility. In operation around the globe, this aircraft has found popularity in a number of roles.

As an aerial surveying platform, the PC-12 combines high and low speed with long range, an easy accessible large cabin, fuel efficiency and low maintenance requirements. Its short take-off and landing (STOL) capabilities on unprepared surfaces enables it to be based closer to designated surveying areas, thereby maximising productive uptime.

## Dual hatch configuration

With the STC of RUAG Aviation this aircraft provides two hatches (53x53 cm and 53x23 cm). The hatches can be used for the installation of large scale survey cameras, multi-spectral scanner, hyper-spectral scanner and LIDAR scanner enabling photography and scanning at the same time.

## Versatile

The ability to deploy your aircraft for different missions is a strength of RUAG Aviation's aerial surveying modification. A multi-role configuration enables easy installation of floor panels in place of the hatches, enabling your PC-12 to be used for regular cargo or transport purposes. And of course, the PC-12 comes with a cargo door as standard.



Together  
ahead. **RUAG**

## Advantages of the PC-12 as an aerial surveying platform

<b>Low maintenance</b>	Fewer maintenance-hours per flight hour required relative to traditional surveying aircraft
<b>Cost-effective</b>	Up to 30% more economical than other aerial surveying platforms
<b>Compatibility</b>	Supports advanced large sensor systems currently in the market
<b>STOL capability</b>	Take-off from and land on short, unprepared surfaces
<b>Pressurised cabin</b>	Stable operations at higher altitudes
<b>Advanced electrical systems</b>	Meets the power demands of all imaging equipment
<b>Large cargo door/spacious cabin</b>	Enables quick installation and removal of equipment for alternative missions
<b>High endurance</b>	Ability to stay on station for over 6 hours with standard fuel capacity
<b>Versatile speed range</b>	Minimum mission speed 85 KTAS, up to 280 KTAS max. cruise speed
<b>Increased value</b>	Very high residual value while maintaining low operating and maintenance costs

### Enhanced mission capabilities

- Cadastral mapping
- Cartography
- Forestry
- Land use/land cover mapping
- Environmental studies
- Natural hazard assessment
- Flood risk management
- Transportation engineering
- Urban planning
- Civil engineering
- Oil and gas
- Exploration
- Geology



## RUAG Aviation – Pilatus PC-12 Aerial Survey Platform Specifications

<b>Max. altitude</b>	30,000 ft./9,144 m
<b>Max. range</b>	1,560 nm/2,889 km (30,000 ft high speed cruise, NBAA IFR Reserve 3 Pax)
<b>Speeds (max. cruise speed)</b>	280 KTAS/519 km/h TAS
<b>Stall speed (MTOW)</b>	67 KIAS/124 km/h IAS
<b>Payload</b>	2,257 lbs/1,024 kg
<b>Min. take-off / landing distance</b>	2,650 ft. (808 m)/1,830 ft. (558 m)