



ALBATROZ ENGENHARIA

HELIX 300



in flight
overlook



airborne platform



real time information



customized software



GPS



IMU/IMS



visual cameras



IR cameras



certifiable



The HELIX 300 is an airborne Mission Equipment easy to integrate and install in a rotorcraft. The equipment can provides LIDAR scanning digital output, visible and infrared cameras, IMU/INS position and GPS location. During the mission the operator access to sensors information in real time. The software running on the equipment can be optimized according to the customer needs and mission requirements. All the data can be easily accessed in a PED during and after flight by an operator. The system can be delivered with EASA Form 1 certification.

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SPECIFICATIONS

Laser specifications

Laser eye safety	Class 1
Accuracy/Precision	10 mm/5 mm
Scan speed	up to 200 scans/sec.

Camera specifications

Visible	up to 3 cameras of 12 Mpx
IR	640 x 512 px spectral range 8-13 μ m

GPS/IMU/INS

GPS	2 systems, 2-3 antennae
Update rate	100 Hz

Power and protection

Power requirements	22-30VDC, <150 W
Hand control unit	inside the cabin, 0.5 kg

Overview

Equipment size (H x L x W)	250 x 820 x 320 mm
Equipment weight	16 kg
Output data	Ethernet



real time data



easy to install and remove



several options for cameras



external antennae



recorded detailed information

