



Air Robot

Technical Information

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General Data

weight < 1 kg
size < 1 m d. / Diameter
flight duration > 20 min.
pay load 200g
distance 500 m
transport detachable



AirRobot Inside

4 brushless and gearless electric drives
(2000 rpm for silent operation)
barometrical altitude control
protection ring and landing gear
receiver with 35 MHz
LiPo-Battery (14,8 V, 2,05 Ah)
gyroscopical and accelerational sensors
autonomous landing if radio communication
is missing or battery is low
flight duration approx. 20 minutes
wind load up to 4 m/sec
diameter < 1m
take-off weight incl. pay load <1 kg



Base Station

2,3 - 2,5 GHz security link with 4-fold diversity receiver
for video transmission
mini stand
radio control system
battery
charging adapter
software for easy documentation of missions by using
the touch-screen of the TFT Tablet-PC
(photos and recording during the flight)
audio channel at base station to document missions by
using a headset
residual energy indication to base station by downlink
flight control by using TFT Tablet PC or video eyeglas-
ses



Pay Loads

daylight color video (470 lines)
dawn b/w video camera (570 lines, 0.0003 lux)
digital camera (7.1 MPixel)
IR thermal imaging camera (320 x 240 dots, range to
detect human activity up to 100 m [330 feet])
vertical tilt mechanism
measuring technique sensors



If you would like further Information about ELAMAN,
or would like to discuss a specific requirement or project, please contact us at:

Elaman GmbH
German Security Solutions
Seitzstr. 23
80538 Munich
Germany

Tel: +49-89-24 20 91 80
Fax: +49-89-24 20 91 81
info@elaman.de
www.elaman.de