

## UAV, obemannad "övervakningshelikopter" för olika typer av bevakningsuppdrag



**Microdrone md 4-200** är en sk.UAV (Unmanned Aerial Vehicle) för t ex övervakning, dokumentation och samordning.

Tack vare elektronisk stabilisering kan Microdrone manövreras även av utbildade "piloter". Om inte helikoptern får några specifika kommandon när den är uppe i luften behåller den sin kurs och höjd. Via GPS kan den också behålla sin position. "Piloten" kan således helt koncentrera sig på sitt övervakningsuppdrag.

Data:

- Vikt: 1 kg
- Flygtid: 20 min
- Distans: 500 meter
- Storlek: mindre än 1 meter diameter
- Kan bestyckas med olika tillbehör t.ex. digitalkamera, värmekamera och mörkerkamera



# Malux



## M1.0 Microdrone md4-200

Microdrone md4-200 35 MHz V1.1, flight platform in Peli case with brushless and gearless electric drives, flight stabilization and barometric altitude control, rotors and landing gear, receiver with 35 MHz, autonomous landing when radio communication is missing, autonomous landing when battery is low, payload of 200 g, flight duration approx. 20 minutes, wind load up to 4 m/sec, diameter <1 m, take-off weight incl. payload < 900 g, charging station and radio control system.



## B1.0 Base station

Base station (professional)  
consisting of:

case with 1.4 Megapixel video eyeglasses, 4-fold diversity receiver, framegrabber card with notebook connectors, charger adapter 230V, 115V, 12V, 1 in 3 out video splitter, separate high gain antenna

-without notebook!

-the notebook must have 1 free USB2 port for connecting with framegrabber. With the notebook, the videostream can be visualized and recorded. The third video-out is for the connection of additional external equipment, e.g. a camcorder or a beamer.



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## P-mech 1.0

Remote controlled camera tilt mechanism for use with the following payloads (without the shown payload).



## P-tx 1.0

Videotransmitter analog, 2.3 to 2.5 GHz, 200 mW for use with the payloads. The videotransmitter is prepared to be integrated in the tilt mechanism.



## P-vid-day 1.0

Daylight color videocamera, 470 lines, incl. payload box.



## P-vid-dawn 1.0

Dawn b/w videocamera, 570 lines, 0.0003 Lux F 1.4, incl. payload box.



## P-vid-IR 1.0

IR thermal imaging camera, 160x120, range to detect human activity up to 330 feet (100 meters) incl. payload box.



## P-still 1.0

Digital camera, 6 Mpixel with picture stabilization, incl. remote trigger and storage card with **1 GB!**, incl. payload box.



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## Accessories

### **A GPS 1.0**

GPS enhancement, GPS-supported position control

### **A batt 1.0**

Flight battery, LiPo, 2.3 Ah 14.8V, matching to md4-200

### **A charge 1.0**

Extra charging station for md4-200 flight batteries 12V, 230V, 115V

### **A rec 1.0**

Diversity video receiver, 2.3-2.5 GHz, 4-antenna diversity system, 7-30V

