

EASY-TO-USE ☐

Drohnen



BeastTX

The next generation All-in-One - the ultimate UAV controller

- For all types of UAV and USV (Unmanned Surface Vehicle)
- Communication with all current auto-pilot systems
- Data processing possible with the generally available photogrammetry software
- Pre-installed mission planning software e.g. Hitec Mission Control
- Fast image pre-processing / pre-stitching capabilities using Hitec Mission Control
- Cloud connection or direct upload possible
- Connection to the company's own network back-office / control desk (BOS)
- Update-capable
- Robust aluminium case, splashproof to IP54
- Dual-boot: choice between Windows 10, Android (optional Ubuntu Linux).
- The user can easily switch the operating system by re-starting
- 3-way data link: RC, UHF (telemetry), digital link (switching according to range possible)
- Onboard flight simulator



M-LINK (???)



Technical details: BeastTX

Hardware:

Robust aluminium case, splashproof to IP54

2 x dual-axis stick units, splashproof: 4 x 3-way switches, 4 x 2-way switches, 2 x momentary switches, trim buttons, 2 x pot + one pot, or one optional rotary control

Splashproof connectors for 1 x USB 3.0, 1 x USB 2.0, Micro SD card, Line Out, Line In, HDMI Output 1.4b up to 3840 x 2160 @ 30Hz (4K), 2 x SMA LTE, 2 x SMA WiFi, 1 x SMA GPS, 2 x SMA data links / RC

Transmitter supported on neckstrap or camera tripod

Movement control for intuitive usage using movement sensors for camera maneuvers, speech output trigger, etc.

Air pressure sensor for precision landings

CPU: Intel® Pentium® N4200 Quad Core (4 x 1.1 / 2.5 GHz Burst Frequency)
2MB L2 cache

Ram: 8 GB DDR3L

Hard disk: SSD 250 GB (550 MB/s reading, 520 MB/s writing speed)

Intel® High Definition Audio (Intel® HD Audio) with 2 x 5 Watt speakers

Intel® HD Graphics 500

Screen: 7" ultra-high brightness 1275 cd/m2

1280 x 800 pixels, multi-touch, clearly legible in sunshine

Smart battery: Up to 6 hours runtime

OS (64-bit): Microsoft® Windows 10,

Android 8.1 x86 Oreo, optional Ubuntu Linux

Communication:

WiFi: max. range 2 km

GPS installed; optional: RTK or RTK/PPK

M-LINK: 2.4 GHz RC / telemetry up to 3 km

RC Core: OpenTX installed

Data Link: 433/868/915 MHz Hoperf HM-TRP up to 3 km (MAVLink-compatible)

4x backplane slots with serial, USB 2.0, I/O Ports, 3.3 V, 5 V

1x Gigabit Networkport

As options: Digital Video Link up to 20km, Microhard Module Series up to 50 km

LTE modem for BVLOS up to 150 Mbit/s (standard SIM card)

Weight: approx. 1.900 g

Dimensions: length 326 mm; width 164 mm, height 40 mm



BeastTX



OEM integration/ projects are possible

BeastTX is a joint project between Luftfotos24/ TM IT system house and MULTIPLEX/HiTEC

Luftfotos[®]
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TM-IT
...wir machen Ihre IT smarter

HiTEC
MULTIPLEX

