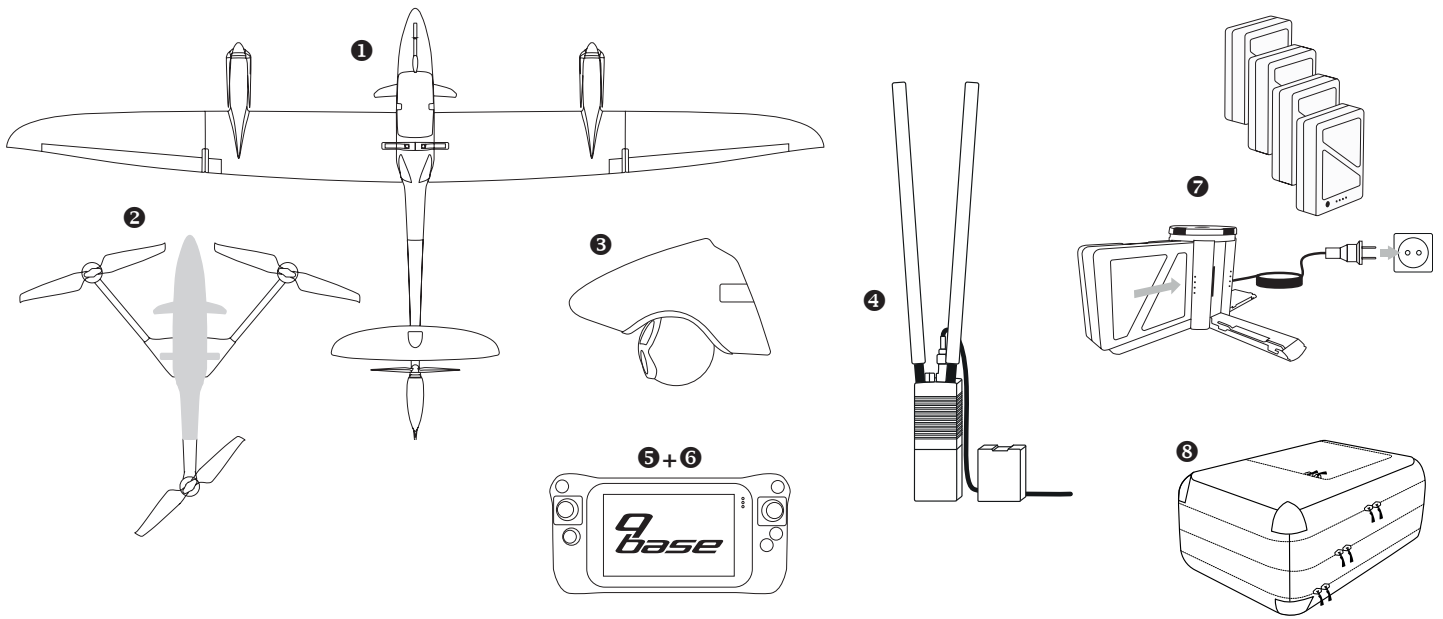


2-IN-1 UAS Fixed-Wing & Tri-Copter



PACKAGE CONTENT

1 + 2 Long Range eVTOL Vector with fiberreinforced airframe & Scorpion Kit

- Main body, Copter kit, eVTOL fixed-wing kit

3 Changeable Payloads

4 Mesh IP Encrypted Data Link

The data link hardware consists of a robust handheld unit on the ground and an OEM module onboard the UAV. Sector antennas can boost the range to 25+ km (15.5+ mi). No tracking antenna or moving parts are necessary. This setup enables an 128/256 bit AES encrypted 10+ Mbit data stream and up to 25+ km (15.5+ mi) (sector antennas) video and command & control range.

The hardware is optimized for tactical applications and comes in ruggedized, IP 67 rated casings. It uses sophisticated MIMO mesh network technology. Data link control is fully integrated into QBASE 3D including link and power management.

5 Military Grade rugged GCS User Interface

- Ground control tablet platform (incl. two front side joysticks and left- and right-side toggle switches)
- 7" Active Matrix (TFT) colour LCD 1280x800 (WXGA) LCD with sun-light-viewable glove-enabled capacitive touchscreen

6 Mission Software QBASE 3D

Mission planning software with advanced UAS control overlay from Quantum-Systems (efficient flight paths, recording video and aircraft data)

7 2x Battery Pack + Battery Charger

(2x4 Batteries)

8 Lightweight Box with Backpack Option

(black or multicam)

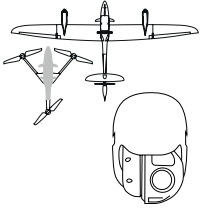
9 Warranty (1 year)

10 Technical Support

TECHNICAL DATA

UAV	VECTOR	SCORPION
Max. Take-off Weight	7.4 kg (16.3lbs)	<5 kg (<11 lbs)
Max. Flight Time	120 minutes	45 minutes
Command and Control Range	15+ km (9.3 mi) optional 25+ km (15.5+ mi)	15+ km (9.3 mi) optional 25+ km (15.5+ mi)
Payload (with Compartment)	max. 600 g (1.3 lb)	max. 800 g (1.7 lb)
Optimal Cruise Speed	15 m/s - 20 m/s (29 - 39 kn)	0 m/s - 15 m/s (0 - 29 kn)
Wind Tolerance (ground)	10 m/s (19.4 kn)	10 m/s (19.4 kn)
Wind Tolerance (cruise)	12 m/s (23 kn)	10 m/s (19.4 kn)
Operating Temperature Range	-19°C to 44°C (66.2°F to 111.1°F)	-19°C to 44°C (66.2°F to 111.1°F)
Wingspan	2.80 m (9.2 ft)	1.37 m (4.5 ft)
Transport Case Dimension	800x540x345 mm (31.5x21.3x13.6")	765x380x285 mm (30.1x14.9x11.2")
Transport Case Weight		
Cover incl. foam inlay	9,2 kg / 20.3 lb	5,7 kg / 12.5 lb
Case only	6,7 kg / 14.8 lb	3,2 kg / 7.0 lb
Carrying System	2,5 kg / 5.5 lb	2,5 kg / 5.5 lb
Nice Frame BVS II		

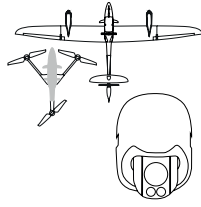
CONFIGURATION



2-in-1 Package HD40-LV

Art.: 4260574662516

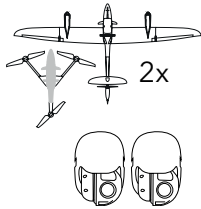
- EO:**
- Zoom: 10x optical, 2x digital
 - Resolution: 1280 x 720 px
- IR:**
- Zoom: 4x digital
 - 640 x 480 px
- Data rate: 5 Mb/s (H264)
 - Power consumption: 15 W
 - Weight: 600 g (1.3 lb)
 - MISC: KLV-Stream, GeoLock, image stabilization, object tracking



2-in-1 Package NightHawk2 UZ

Art.: 4260574662523

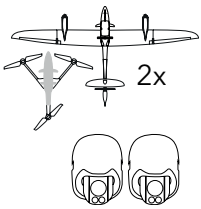
- EO:**
- Zoom: 20x optical, 2x digital
 - Resolution: 1280 x 720 px
- IR:**
- Zoom: 4x digital
 - 1280 x 720 px
- Data rate: 5 Mb/s (H264)
 - Power consumption: 7 W
 - Weight: 350 g (0.8 lb)
 - MISC: KLV-Stream, GeoLock, image stabilization, object tracking



2-in-1 System Package HD40-LV

Art.: 4260574662226

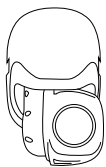
2 complete flying 2-in-1 UAS units with HD40 LV



2-in-1 System Package NightHawk2 UZ

Art.: 4260574662547

2 complete flying 2-in-1 UAS units with NightHawk2 UZ



HD40-XV (only for Scorpion)

Art.: 4260574662387

- EO:**
- Zoom: 30x optical, 2x digital
 - Resolution: 1280 x 720 px
- IR:**
- N/A
- Data rate: 5 Mb/s (H264)
 - Power consumption: 20 W
 - Weight: 800 g (1.7 lb)
 - MISC: KLV-Stream, GeoLock, image stabilization, object tracking

OPTIONS



Ping5S MODE S ADS-B out Transponder

Art.: 4260574662639

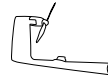
Ping5S MODE S ADS-B out Transponder

Art.: 4260574662646

Subsequent upgrade

SPARE PARTS

VECTOR



Rear Fuselage (incl. Propeller)

Art.: 4260574662226



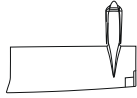
Elevator

Art.: 4260574662233



Outside Wing

Left: Art.: 4260574662257
Right: Art.: 4260574662271



Inside Wing (incl. Propeller)

Left: Art.: 4260574662240
Right: Art.: 4260574662264



Propeller Spare Part Kit

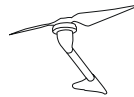
Left: Art.: 4260574662608
Right: Art.: 4260574662677
Rear: Art.: 4260574662684

SCORPION



Tailboom (incl. Propeller)

Art.: 4260574662301



Arm (incl. Propeller)

Left: Art.: 4260574662288
Right: Art.: 4260574662295

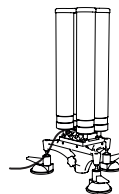
VECTOR & SCORPION



Airspeedsensor

Art.: 4260574662219

ACCESSORIES



Datalink - Streamcaster 4400

Art.: 4260574662462

- Stationary modem for 25+ km (15.5+ mi) range between QBase tablet & the UAV
- Incl. ethernet cable for the QBase tablet connection
- Incl. power cable



Drive-on Antenna Holder

Art.: 4260574662660

Extension for Datalink - Streamcaster 4400
Pipe diameter bottom/top: 60/40 mm
Length extended: 8 meter

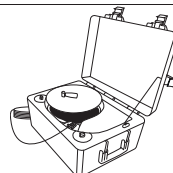


Nice Frame BVS II

Multicam: Art.: 4260574662356

Coyote: Art.: 4260574662363

Backpack Carrying System



Tethering System (only for Scorpion)

Art.: 4260574662653

- Stationary power system for unlimited flight time
- 70 m (229.7 ft) power cable for stationary use