HEIGHT TECHNOLOGIES

PRODUCT CATALOG

MADE IN NETHERLANDS

HEIGHTTECHNOLOGIES.COM

MARTLET
FAMILY OF SYSTEMS

The Martlet Family of Systems consists of tactical micro and mini SRR/ISTAR drones designed to deliver an extended flight time and a minimal acoustic signature for covert day & night observation and monitoring. These systems are quickly deployed from a backpack or transport case and provide real-time aerial intelligence, enabling swift and informed decision-making in critical situations.

SHORT RANGE RECONNAISSANCE (SRR) MICRO UAS

The Martlet MI-1 provides 40 minutes of flight time, a radio range of more than 5 kilometers, unparalleled EO-IR camera performance, and an acoustic signature that enables it to be silent from a 120-meter ground distance at 120 meters altitude AGL.

SPECIFICATIONS

Max Takeoff Weight	1.6 kg
Flight Time	40 min
Max Speed	18 m/s
Max Wind	25 knots
Acoustic Covert Distance (At 120m AGL)	120 meter
Frame Size (LxWxH)	40 x 40 x 15 cm
Frame Size Folded (LxWxH)	28 x 20 x 15 cm
Deployment Time	< 1 min
Radio Range LoS	5 km
Precipitation	IP54
Operational Temperature	-20 – +50 °C

HAI *Modules* | Object Tracking, Target Acquisition (Sensor to Shooter)

MI-1

The Martlet MI-1 is the most silent, compact, and easily portable UAV within the Martlet Family of Systems. The MI-1 is quickly deployed for swift and covert observation and situational awareness.

MI-2

The Martlet MI-2 is a lightweight, rugged, and long endurance UAV designed for rapid deployment and to provide actionable aerial intelligence in high-risk environments.

LONG ENDURANCE MINI UAS FOR ISTAR

The Martlet MI-2 and MI-2S offer 80/50 minutes of flight time, a radio range of 20 kilometers, exceptional EO/IR camera capabilities, and an acoustic signature that keeps it silent from a distance of 150/200 meters at an altitude of 120 meters AGL.

SPECIFICATIONS	MI-2	MI-2S
Max Takeoff Weight	3.5 kg	4 kg
Max Payload Weight	0.5 kg	1 kg
Flight Time	80/100* min	50/60* min
Max Speed	65 km/h	76 km/h
Max Wind	25 knots	30 knots
Acoustic Covert Distance (At 120m AGL)	150 meter	200 meter
Frame Size (LxWxH)	60 x 60 x 20 cm	
Deployment Time	< 2 min	
Radio Range LoS	20 km	
Precipitation	IP54	
Operational Temperature	-20 – +50 °C	

HAI Modules | Object Tracking, Recognition & Classification, Target Acquisition (Sensor to Shooter)

* WITH BATTERY PRO-PACK

MULTI-MISSION MINI UAS FOR ISTAR

The Martlet MI-3 offers 90 to 50 minutes of flight time depending on the amount of equipped payload, a range of 20 kilometers, exceptional EO/IR camera capabilities, and an acoustic signature that keeps it silent from a distance of 250 meters at an altitude of 120 meters AGL.

SPECIFICATIONS

Max Takeoff Weight	11 kg
Max Payload Weight	3 kg
Flight Time | With Max Payload	90/110* min | 50/60* min
Max Speed	65 km/h
Max Wind	25 knots
Acoustic Covert Distance (At 120m AGL)	250 meter
Frame Size (LxWxH)	80 x 80 x 43 cm
Frame Size Folded (LxWxH)	55 x 55 x 40 cm
Deployment Time	< 3 min
Radio Range LoS	20 km
Precipitation	IP54
Operational Temperature	-20 – +50 °C
HAI Modules	Object Tracking, Recognition & Classification, Target Acquisition (Sensor to Shooter)

* WITH BATTERY PRO-PACK

MI-3

The Martlet MI-3 is a portable tactical multi-mission UAV within the Martlet Family of Systems. It is designed for extended missions and can carry multiple payloads that are easily interchanged.

MI-4

The MI-4 is a multi-mission hexacopter within the Martlet Family of Systems. It is designed to carry and/or drop larger payloads in combination with carrying out ISR or Target Acquisition operations.

HEAVY PAYLOAD MINI UAS FOR ISTAR

The Martlet MI-4 offers 120 to 50 minutes of flight time depending on the amount of equipped payload, a range of 30 kilometers, exceptional EO/IR camera capabilities, and an acoustic signature that keeps it silent from a distance of 300 meters at an altitude of 120m AGL.

SPECIFICATIONS

Max Takeoff Weight	16 kg
Max Payload Weight	5 kg
Flight Time | With Max Payload	120/145* min | 50/60* min
Max Speed	65 km/h
Max Wind	25 knots
Acoustic Covert Distance (At 120m AGL)	300 meter
Frame Size (LxWxH)	155 x 155 x 61 cm
Frame Size Folded (LxWxH)	88 x 110 x 60 cm
Deployment Time	< 4 min
Radio Range LoS	30 km
Precipitation	IP54
Operational Temperature	-20 – +50 °C
HAI Modules	Object Tracking, Recognition & Classification, Target Acquisition (Sensor to Shooter)

* WITH BATTERY PRO-PACK

MARTLET
GROUND CONTROL STATION

With Nett Warrior compatibility and Swappable Radio Modules (SRM), this tactical controller provides exceptional interoperability and radio-agnostic capabilities. In addition to its internal battery, two swappable batteries enable continuous operation.

SPECIFICATIONS

Weight	927 grams
Dimensions (LxWxH)	25.6 x 14 x 6.8 cm
Connections	USB-C 3.0, Nett Warrior EUD compatible
Radio Options	Silvus, Microhard, Doodle Labs, and more
Operating Software	Android 11 (Windows 11 on request)
CPU	Qualcomm® SDM660 2.2/1.843GHz
Memory	4GB (LPDDR4)
Display	7” WXGA 1280 x800 px, 750nit
Certification	MIL-STD-810-H
Compliance	CE, ROHS compliant
Precipitation	IP65
Operational Temperature	-20 – +50 °C

MI-GCS

The Martlet Ground Control Station (GCS) is a durable, portable control unit equipped with MIL-STD components and designed for single-operator use in any environment.

EZ
FAMILY OF SYSTEMS

The EZ Systems provide advanced drone-in-a-box solutions designed for various operations, offering mobile and static options. Deployed on vehicles, vessels, or remote sites, EZ Systems deliver reliable, persistent aerial surveillance with minimal intervention. They are enabling continuous monitoring and situational awareness for security and defense applications.

TETHERED / FREE FLIGHT DRONE-IN-A-BOX

Developed and built by former military personnel and aerospace, robotics and software engineers. The EZ-Mobile is a military-grade & weather-resistand autonomous drone-in-a box, designed to be a portable, fully-autonomous and versatile ISTAR and TCR system.

SPECIFICATIONS	TETHERED	FREE FLIGHT
Max Takeoff Weight	6.5 kg	8.3 kg
Max Payload Weight	2 kg	2.3 kg
Max Operating Altitude	60 m or 100 m	900 m
Max Flight Time	Persistent Flight	45 – 30 min
Max Speed	56 km/h	100 km/h
Radio Range	Data over Power	5 km (LoS)
Total System Weight	68 kg	
Dimensions (LxWxH)	90 x 90 x 55 cm	
Power	**AC:** 90-240V, 2000W | **DC:** 28V, 1500W	
Max Wind	22 knots	
Precipitation	IP54	
Operational Temperature	-20 – +50 °C	

EZ-MOBILE

The EZ-Mobile is designed for mounted deployments on vehicles and vessels, such as mobile command units, first responder vehicles and armored personnel carriers.

EZ-LITE

The EZ-Lite is the portable tethered version of the EZ-Mobile Tethered. The unit is housed within a custom hard case and is rucksack portable with a weight of 18.5 kg resulting in rapid adaptability and mobility.

COMPACT HEAVY PAYLOAD TETHERED UAS

The EZ-Lite can be deployed as a resilient “network in the sky,” providing continuous aerial connectivity and coverage through a secure tethered solution. This setup enables sustained, stable, high-bandwidth communication and long-duration network support.

SPECIFICATIONS

Weight w/o UAV	18.5 kg
Max Payload Weight	6.8 kg
Max Operating Altitude	60 or 100 m DoP cable
Max Flight Time	Persistent Tethered Flight
Dimensions (LxWxH)	61 x 41 x 26 cm
Power	100-240V AC (up to 3000W)
Radio Range	Data over Power (DoP)
Max Wind	22 knots
Precipitation	IP54
Operational Temperature	-20 – +50 °C

EO-IR PAYLOAD OPTIONS

X80

EO Resolution	1280 x 720 px
EO Zoom	x40 OPTICAL + x2 DIGITAL (x80 continuous)
EO HFOV	60° WFOV | 1.5° NFOV | 0.75° DFOV
IR Resolution	–
IR Zoom	–
IR H.FOV	–
Compatible UAS	All Martlet & EZ Systems

DRAGONEYE

EO Resolution	1280 x 720 px
EO Zoom	x20 OPTICAL + x2 DIGITAL (x40 continuous)
EO HFOV	60° WFOV | 3° NFOV | 1.5° DFOV
IR Resolution	640 x 480 px
IR Zoom	x4 DIGITAL continuous
IR H.FOV	32° WFOV | 8° DFOV
Compatible UAS	All Martlet & EZ Systems

STARLING

EO Resolution	1280 x 720 px
EO Zoom	x20 OPTICAL + x2 DIGITAL (x40 continuous)
EO HFOV	60° WFOV | 3° NFOV | 1.5° DFOV
IR Resolution	640 x 480 px
IR Zoom	x4 DIGITAL continuous
IR H.FOV	18° WFOV | 4.5° DFOV
Compatible UAS	MI-2, MI-3, MI-4, EZ-Mobile, EZ-Lite

NIGHTHAWK-UZ

EO Resolution	1280 x 720 px
EO Zoom	x20 OPTICAL + x2 DIGITAL (x40 continuous)
EO HFOV	60° WFOV | 3° NFOV | 1.5° DFOV
IR Resolution	1280 x 720 px
IR Zoom	x4 DIGITAL continuous
IR H.FOV	25° WFOV | 6° DFOV
Optional	850nm Illuminator (1cm spot at 1km)
Compatible UAS	MI-2, MI-3, MI-4, EZ-Mobile, EZ-Lite

RAPTOR

EO Resolution	1280 x 720 px
EO Zoom	x40 OPTICAL + x2 DIGITAL (x80 continuous)
EO HFOV	60° WFOV | 1.5° NFOV | 0.75° DFOV
IR Resolution	1280 x 720 px
IR Zoom	x8 DIGITAL continuous
IR H.FOV	17.5° WFOV | 2.2° DFOV
Optional	850nm Illuminator (1m spot at 1km)
Compatible UAS	MI-2S, MI-3, MI-4, EZ-Mobile, EZ-Lite

RAVEN

EO Resolution	1280 x 720 px
EO Zoom	x40 OPTICAL + x2 DIGITAL (x80 continuous)
EO HFOV	60° WFOV | 1.5° NFOV | 0.75° DFOV
IR Resolution	1280 x 720 px
IR Zoom	x11 OPTICAL + x2 DIGITAL (x22 continuous)
IR H.FOV	25° WFOV | 6° DFOV
Optional	Range Finder (≥1 km cange)
Compatible UAS	MI-4, EZ-Lite

HEIGHT
TECHNOLOGIES

CLASS-I MICRO & MINI UAS

MADE FOR DEFENCE & PUBLIC SAFETY

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