

BEYOND

FLIGHT TERMINATION SYSTEM



Unlimited range
(SatCom)



Flexible
(Fit most drones)



Light-weight
($< 150\text{ g}$)



Resilient
(Environment protected)

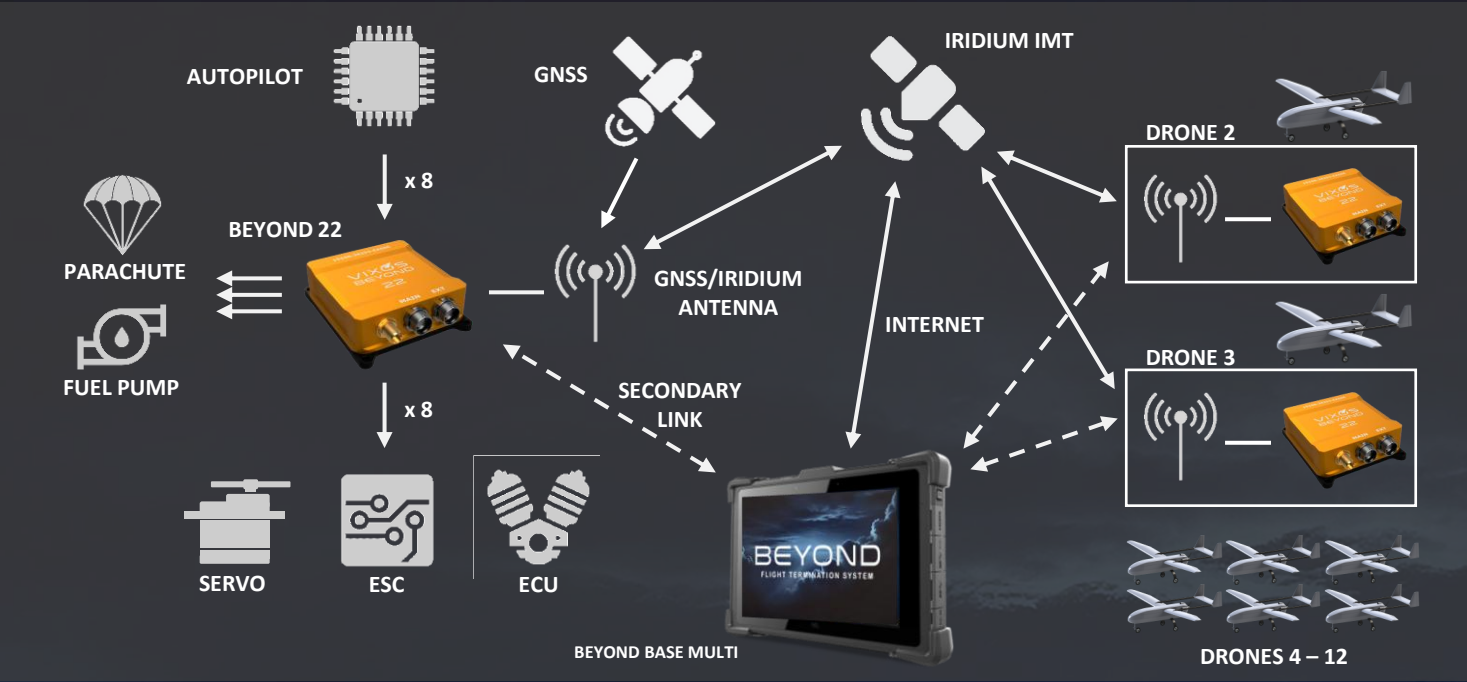


Compact
($76 \times 61 \times 24\text{ mm}^3$)



Solves containment
(Regulatory doc package)

VIXOS



BEYOND 22	
Connection	Iridium IMT Optional: Int/ext radio link
Termination activation	Beyond Base Multi (manual) Geofenced (automated)
PWM termination	8 configurable switches for PWM and digital
CAN termination	Primary CAN bus filtering Backup CAN bus interrupt
Emergency recovery	4 individually configurable PWM or digital outputs Open drain for external relay
Monitoring	Position and status of drones
Fleet	Up to 12 drone per Base
Dimensions	76 x 61 x 24 mm ³ and 150 g
Environment	IP 68 and ambient -30 to 75 °C
Documents	Comprehensive manual Text for operator's Operations Manual (SORA)
Compliance	MoC 2511, SORA 2.0 step #9 and SORA 2.5 step #8 (all SAIL)

FEATURES

Beyond 22 can interrupt and replace up to 8 individual PWM signals between autopilot and actuators. It also features an option for filtering a DroneCAN bus where selected messages pass directly through, and others are replaced. It can simultaneously interrupt a backup CAN bus.

The built-in GNSS allows Beyond 22 to automatically terminate a drone flight based on geography. The GNSS also allows the user to have an independent location of the drone shown on the Beyond Base Multi.

Termination signals are transmitted from the Base through the internet, then via Iridium to Beyond 22. This provides unlimited range to any drone. An additional radio link is optional for lower latency and higher bandwidth.

Beyond 22 has 5 additional outputs that can trigger parachutes and similar, plus an open drain that can trigger a relay or stop a fuel pump.



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