

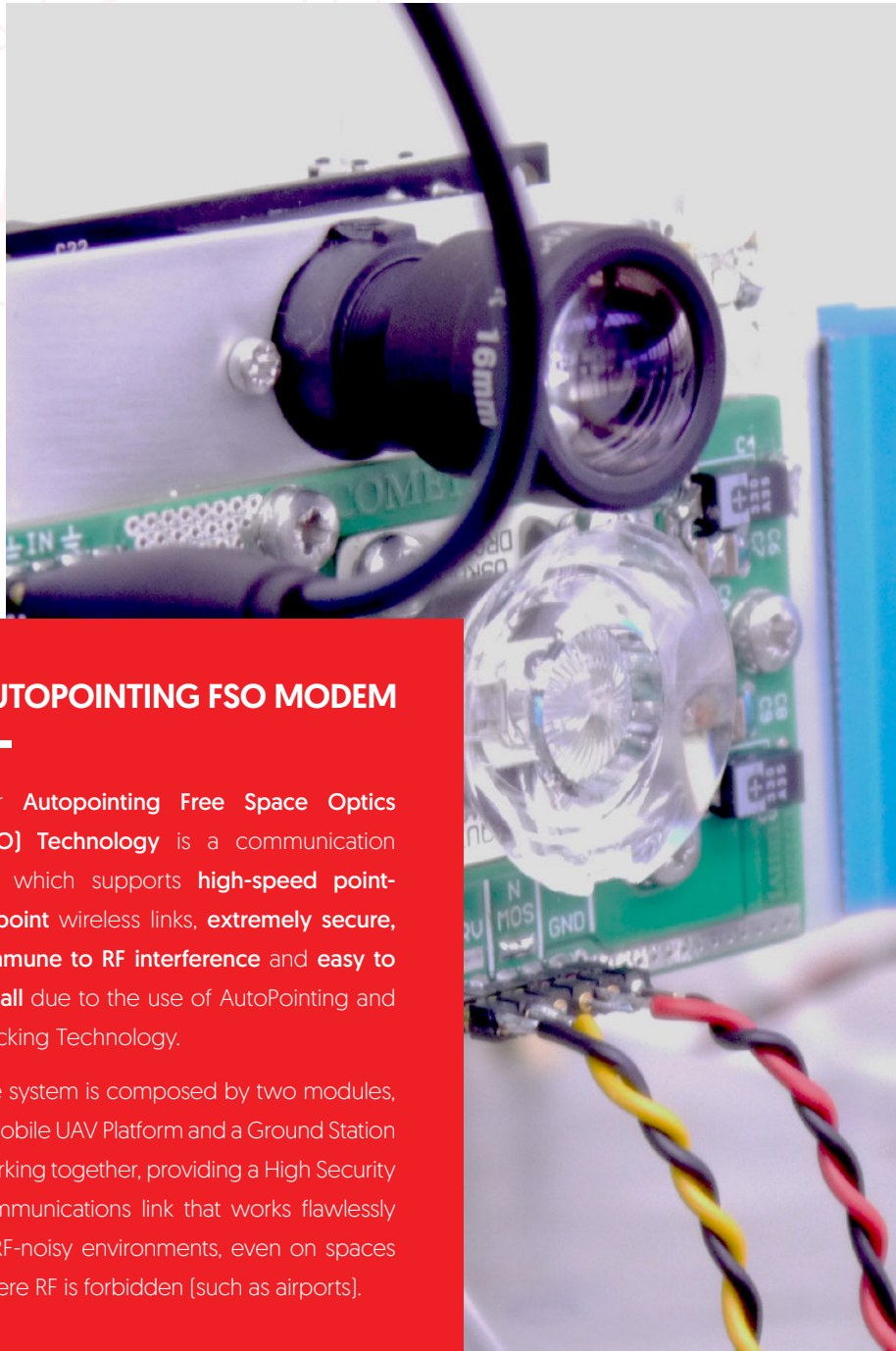


Advanced Technologies for UAS



AUTOPOINTING FSO MODEM





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Our **AutoPointing Free Space Optics (FSO) Technology** is a communication link which supports **high-speed point-to-point** wireless links, **extremely secure, immune to RF interference** and **easy to install** due to the use of AutoPointing and Tracking Technology.

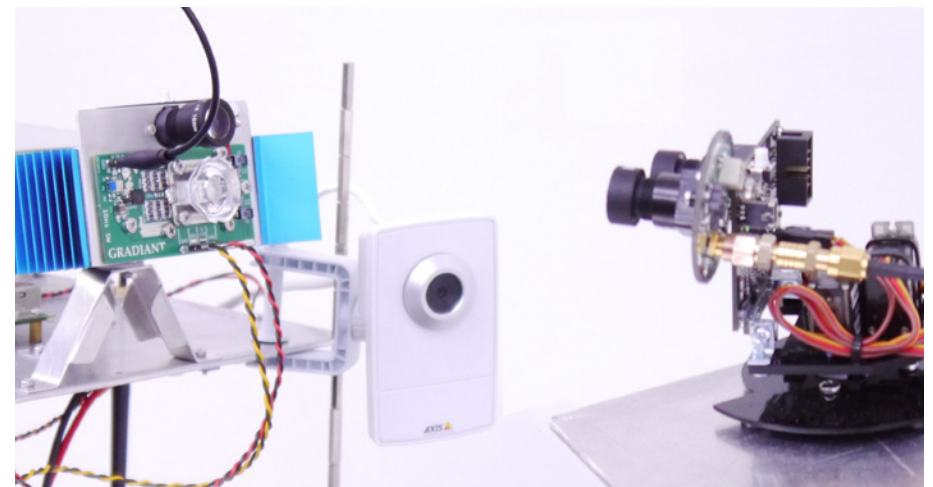
The system is composed by two modules, a Mobile UAV Platform and a Ground Station working together, providing a High Security communications link that works flawlessly in RF-noisy environments, even on spaces where RF is forbidden (such as airports).

HIGHLIGHTS

- > High Performance links in RF-noisy environments
- > No electromagnetic interference (EMI) with radio systems
- > Low probability of interception (high-security)
- > Unregulated spectrum with world-wide availability

SPECS

- > Light source - high power IR-LED
- > Data rate - 22Mbps over 1km (further with larger lenses)
- > IO Interface - Ethernet with RJ45
- > AutoPointing and Tracking Technology (APT²) based on image processing





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