



RFOptic
Optical RF Solutions

NEWSLETTER

RFOptic Newsletter December 2025

Welcome to our last newsletter of 2025. It gives a short overview of our activities in 2025. We are proud to announce the launch of our new website. As always, feel free to contact us to share your comments and suggestions.

Overview of 2025

Like in previous years, we were able to grow the business significantly once again. We expanded our commercial activities in the defense markets in the US, Asia, and EMEA. We have increased worldwide sales by offering solutions for many **applications** that can be found on our new website. Among them are remote antennas for drones, RFoF secure communications among multiple radio clusters, and expanded frequency range for our phase-matched RFoF solutions. We have received significant orders for our new Ultra RFoF product line. Our investment in R&D paid off; we introduced a new RFoF link with better dynamic range, optimized for 5G cellular testing applications. **This new RFoF link achieves excellent EVM and ACLR performance, exceeding the 3GPP standard at even wider modulation bandwidths, and covers all 5G bands up to 8GHz.** We expanded our RFoF programmable product group with an **8GHz link**, to be followed by a 10GHz link soon. These new additions to the product line provide compact, programmable, and low-cost solutions. Furthermore, RFOptic's US subsidiary, RFOptic, Inc., continued to provide its US customers with pre-and post-sales support and quick RMA service. The company maintains a dynamic stock of popular products to ensure quick response times with optional overnight delivery. A new sales administrator has joined the team, and a new representative, **HyTech Associates**, has been appointed for California's civil and defense markets. We onboarded more distributors, including **DigiKey** and **GSA**.

Commercial milestones in 2025



In 2025, we received initial orders for our **drone applications**. We received several orders from 5 major players in the EW sector, including integrators and government agencies across several geographic markets in MENA and the USA.

We focus on remote antennas in drone operations using RF over Fiber and extending the antenna range with our technology. There is a huge demand for RF over Fiber solutions for search and navigation.

We also received our first order from a large US integrator for our new **RFoF multi-radio interconnect system** for squadron flight simulators. The system is currently being deployed by the military to enhance pilot training. The RFoF system enables voice and data integration, enabling team-level pilot training.

We also received several large orders from the US Air Force for our **18GHz** and **40GHz** links.

New products & solutions

Thanks to our R&D department, we have launched various new products and solutions in 2025.

- 6GHz and 8GHz products were developed and tested that cover all the cellular 5G bands. They enable long-distance, high-dynamic-range communication that exceeds the 3GPP 5G EVM and ACLR requirements and are therefore optimal for use in 5G interoperability and base-station tests.
- We further expand the Ultra family up to **20GHz** as low cost compact solution, which starts to boom.
- **RFoF 8GHz RFoF programmable links**, which have the same features of RFoF programmable product line.
- **Multi-radio interconnect system** for flexible, multi-simulator bidirectional radio interconnect. This EW system supports numerous radio channels of flight simulators and similar trainers, and enables group training with cross-communication between all radios.
- We expanded the Ultra family up to **20GHz** as low cost compact solution, the sales of which started to boom.

Our new website is live!

On Monday, December 15, 2025, our new website went live. It reflects our growing presence in the 5G testing and EW markets for RF over Fiber systems and solutions. We encourage you to visit our new website and discover for yourselves all the new advances that RFOptic has to offer.

Users can access the website in four ways:

1. Via the **homepage** to explore who we are and what we offer;
2. Via the **products pages**, when looking for a specific product or subsystem;
3. Via the **applications/solutions pages**, for a specific application;
4. Via the **markets pages**, if a user wants to know what we offer in a specific market sector.

On our homepage, you will find a short overview of our mission, products, monitoring & control software, market segments, and applications/solutions.

Under the tab **products**, there are five product groups to choose from.

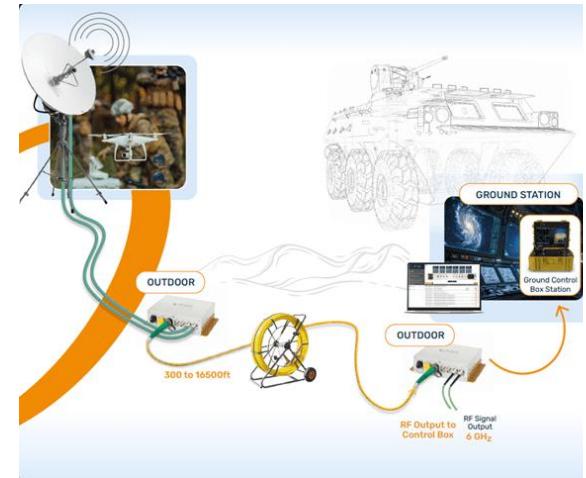
1. Standard RFoF links
2. RFoF subsystems
3. Optical Delay Lines (ODL)
4. RFoF customized systems
5. Accessories



RFoF Subsystems

Under the tab **applications/solutions**, you will find 13 applications that are deployed at various enterprises.

1. RFoF multi-radio interconnect system
2. RFoF for 5G testing
3. Mines & emergency services
4. Anechoic chambers
5. Broadcast solutions
6. DAS solutions
7. EMC measurements
8. RFoF for GPS/DNSS
9. RFoF for ground station drone
10. Phase matching – WDM RFoF multi-link system
11. Radio telescope
12. Satcom applications



RFoF for ground station drone

Under the tab **markets**, you can find the 10 main market sectors that we operate in.

1. RFoF 5G cellular solutions
2. Measuring & testing
3. EW& Radar
4. Defense & Government
5. Stellite mmWave & LEO
6. Drone/UAV
7. RF mines & emergency services
8. Broadcast
9. Broadcast radio telescopes
10. FPS over fiber (FPSoF)



Defense & Government

Under the tab **resources**, you will find our brochures, datasheets (Off-the-shelf RFoF/HSFDR, subsystems), and white papers.

Under the tab **tech support**, there is a request for quote page to get a quote for an Optical Delay Line or Altimeter ODL. Other sections are RFOptic s/w downloads, our RMA product policy, QA, and our RFoF link calculator.

Under the tab **media center**, you will find events we are participating in, our blog posts, press releases, newsletters, case studies, videos, and RFOptic in the media.

Under the tab **contact us**, you will find the contact form and the contact details of our distributors.

For any questions, remarks, or suggestions, feel free to [contact us](#).

Feel free to share this newsletter and follow us on [LinkedIn](#), [Facebook](#), [YouTube](#), and [X](#).

Season's Greetings

