



RFOptic Newsletter - Q4 2024

Welcome to our last newsletter of 2024. We will first give a short overview of the year 2024, followed by commercial and R&D 2024 highlights. As always, feel free to share this newsletter and follow us on [LinkedIn](#), [Facebook](#), and [Twitter](#).

RFOptic team.

Overview of 2024

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, India, and EMEA. We also increased the sales of our **5G applications** in Europe, the US, and other strategic markets, especially in the vendor and telcos sectors. We continue investing in R&D and have acquired additional new customers for new applications and end-to-end solutions.



To meet the growing demand in North America, we have established our US subsidiary **RFOptic Inc.**, which not only sells RFOptic's solutions in the US & Canada, but also provides pre and post sales services to local customers. RFOptic Inc. provides RFOptic's off-the-shelves products, multilink subsystems, and customized solutions, including our Optical Delay Lines, Altimeter, and build-to-spec subsystems. The new office also has an in-house

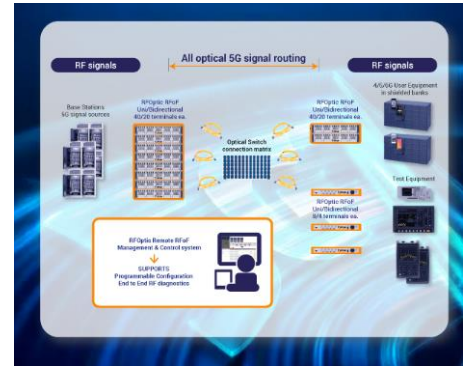
showroom that is available to meet customers, discuss requirements, and demonstrate products.

We participated in various exhibitions, including the International Microwave Symposium (IMS) 2024 in Washington, DC, the European Microwave Conference (EuMW) 2024 in Paris, France, and the ECOC2024 in Frankfurt, Germany. We were present at the Tyndall Air Force Base Tech Expo 2024 in the US. Last but not least, our local partner, **s9 Technology**, is showcasing our products and subsystems for the EW & Defense industry at the upcoming Vietnam International Defense Expo 2024 in Hanoi. To schedule a meeting, a demo, or a conference call, please contact us via [our website](#).

To continue our growth trajectory, our CEO, Dr. Avner Sharon, visited an Indian Tier-1 integrator to discuss the follow-up of a highly successful proof of concept. After the commercial rollout, high-value projects are expected to be executed during 2026-2028. We acquired new partners for the local manufacturing of subsystems in the expanding Indian market. RFOptic is committed to make substantial efforts to become a leading player in that fast-growing market.

Commercial News

During 2024, we supplied our **Ka** systems to a major Satcom integrator and our **phase-matched system** to strategic customers in India. During Q3 2024, we received three purchase orders from one of our Tier-1 customers. These orders followed previous orders for our **6GHz solution** for 5G testing and DAS solutions for various Fortune 500 companies. We also received significant purchase orders for our RFoF offering from Japan. We expect to receive repeated orders from leading Japanese companies in the defense and HLS markets sectors.



Together with our local partner, we were awarded a major **Ka remote antenna project** in India, one of our strategic markets. Together with our local distributor **Municom**, we also received significant repeated sales orders from a leading defense company in the DACH region.

Thanks to the activities of our R&D department, we were able to provide end-to-end custom design solutions to existing and new customers in the EW & Defense sectors as a part of the pre-sale process. RFOptic is now providing off-the-shelf links up to 40GHz, RF over fiber subsystems, various optical delay lines, and also end-to-end RF solutions using a proprietary internal simulation of RF Optical subsystems before they are built. This new internal system design and simulation capability increases confidence in the specifications and the quotations and reduces error margins. It allows us to provide quick and accurate responses in the pre-sales stage and optimize the RFoF and ODL solutions including, RF and mechanical components, to deliver systems with the best specs and performance to our customers.

R&D News

Apart from closing major new deals in 2024, we also received repeated orders. As part of our overall business strategy, we expanded our marketing activities and invested in R&D to provide the products and subsystems that our customers want and need. Some of the solutions that we launched during 2024 include our **high-frequency (18GHz and 40GHz) phase-matching solution**, our **Drone and UAV RFoF Remote Antenna** for drone/UAV applications, and our 40GHz point-to-point Phased-Matched RFoF system.



We just launched our new RFoF Ultra product line to meet the rising demand for RF over Fiber links and subsystems up to 18Gz for EW and remote antenna applications. The RFoF Ultra product line is designed to meet the demand of customers in the Electronic Warfare market who need coax replacement at frequencies reaching 12GHz and 18GHz. The RFoF Ultra series is a cost-effective alternative for our **standard RF over Fiber High SFDR** up to 18GHz off-the-shelf solutions. The RFoF Ultra products are supported by RFOptic's optical **RF Monitor and Control software** that manages, monitors, and controls (M&C) RF

over Fiber converters (Tx and Rx) and RFoF systems, locally. Similarly, the RFoF Ultra series is fully supported by our remote TCP/IP based M&C system.

To read the press release (In English, click [here](#). For the German version, click [here](#), for the Spanish version, click [here](#), and for the French version, click [here](#).

Key features of the Ultra product line include:

- Frequency Range: 100MHz to 12GHz, 18GHz.
- Compact enclosure
- Low power consumption
- Operates at 1550 nm and 1550 nm
- Operating temperature from -40° C to +70° C
- Option to include one or more amplifiers

On a closing note, we wish you and your loved ones a happy, healthy, and prosperous 2025.



To learn more, [contact us](#).

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

