



# NEWSLETTER

— OCTOBER 2024 —

# OPTOKON Newsletter October 2024

Welcome to the latest edition of our newsletter! In this issue, we highlight our recent developments and new partnerships. We're excited to introduce our **Breakout tactical cable**, designed for high-performance in demanding environments, alongside our innovative **OFT-4212-MCMU** network testers for advanced testing capabilities.

We are also pleased to share updates on our collaborations with **MultiMedia Axess** and **ADT Aviation and Defence Technologies Inc.**, which continue to expand our presence in key markets.

Looking ahead, OptoNet Communication remains committed to supporting future talent through the **Erasmus+ Mobility project**, helping develop the next generation of specialists.

Stay tuned for exciting updates on our **AIRDA** and **ASIS** solutions, set to transform the aviation industry!

As always, more information can be found on the OPTOKON website.



## OPTOKON Featured in Market Research Reports

We're excited to share that OPTOKON has been recognized in several recent market research reports, showcasing our growing impact in the global fiber optic and telecommunications industries.

In the latest Survey on **Bare Fiber Adaptor report**, OPTOKON was highlighted for our contributions to advancing the market. We were also featured in the **2024 Active Wavelength Division Multiplexer market report**, which acknowledged our role in de-

veloping innovative solutions that help shape the industry. This recognition is a testament to the hard work and dedication of our team.

At OPTOKON, we're committed to pushing the boundaries of technology and delivering products that truly make a difference. As we continue to evolve, we're grateful to be seen as a leader in the field, and we look forward to growing alongside our customers and partners.

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Dear Business Partners,



We are pleased to inform you that OPTOKON shall participate in the SAHA EXPO 2024 in Istanbul, Turkey from 22 - 26th October 2024



Please accept our invitation to visit us at OPTOKON stand 1A-15.



## OPTOKON at ECOC 2024 in Frankfurt!

OPTOKON is proud to have participated in the **ECOC 2024 Exhibition in Frankfurt, Germany**, where we introduced our latest cutting-edge technologies. Among the highlights was our newly developed **Optical Time-Domain Reflectometer (OTDR)**, designed to provide enhanced precision and performance for fiber optic network diagnostics.

As we continue to push the boundaries of optical technology, our team was excited to connect with industry professionals and demonstrate our commitment to innovation. We look forward to shaping the future of optical communication.



## Notable Exhibitions Attended This Year



Land Forces 2024, Melbourne, Australia



# OPTOKON Achieves Authorized VAR & System Integrator Status

We are proud to announce that OPTOKON, a.s. has been awarded the Certificate of Achievement for successfully completing the Infoblox Skilled to Secure Trusted Partner Program requirements. This recognition, presented in October 2024, marks a significant milestone in our commitment to delivering exceptional solutions as an Authorized Value-Added Reseller (VAR) and System Integrator.

This certification validates our expertise in deploying and managing Infoblox solutions, which are crucial for enhancing network security and ensuring reliable data management. By completing the program, we have demonstrated our ability to implement advanced technologies that help businesses protect their critical assets against emerging threats. Our team is now equipped with the knowledge and skills to provide clients with optimized security measures, streamlined network operations, and efficient threat detection and response. We look forward to leveraging this expertise to better serve our customers!



THIS CERTIFICATE OF ACHIEVEMENT IS AWARDED TO

**OPTOKON, A.S.**

In recognition of completing the Infoblox Skilled to Secure  
Trusted Partner Program requirements

*Presented*  
October 2024

*Chris Millerick*

**CHRIS MILLERICK**  
Vice President, Partner Sales and Alliances

**infoblox.**

# OPTOKON Strengthening Ties with MultiMedia Axess

We're pleased to provide an exciting update on our partnership with **MultiMedia Axess**, who represents OPTOKON in **Germany and Canada**. Recently, we had a productive meeting with their leadership team, including **CEO Gerhard Gilke and Mr. Richard Verhülsdonk**.

We are thrilled to officially welcome **MultiMedia Axess** as our **authorized distributors** in these important markets. Their team has successfully completed our comprehensive OPTOKON training pro-

gram, earning their certification and demonstrating their commitment to delivering our innovative solutions to clients.

During our discussions, we focused on strengthening our collaboration and exploring new opportunities for growth in the German market. We look forward to the continued success of our partnership and are excited about what the future holds!



# Partnership Progress with ADT Aviation and Defence Technologies Inc.

We're excited to share an update on our partnership with **ADT Aviation and Defence Technologies Inc.** The OPTOKON Group recently met with ADT to strengthen our collaboration on the innovative project integrating **lightweight fiber optic cables with FPV drones**.

About our partner: **ADT Aviation and Defence Technologies Inc.** is a **Turkish-based company** specializing in **aerospace and defense technology**, with over 40 years of experience in advanced drone systems and high-tech solutions for the defense and security sectors.

We are proud of the progress made so far and are committed to enhancing connectivity, performance, and efficiency in drone technology.



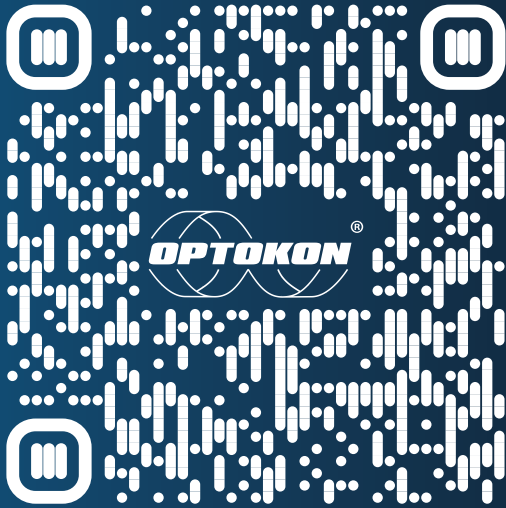
## CONNECTED PARTNERS

We are pleased to announce our new partnership with ADT Aviation Defence Technologies Inc. Manufacturer of UAV (Unmanned Aerial Vehicles) from the Turkish Republic.

Together, we are focusing on a groundbreaking project involving our interconnected lightweight fiber optic cables for FPV drones.



# SUBSCRIBE

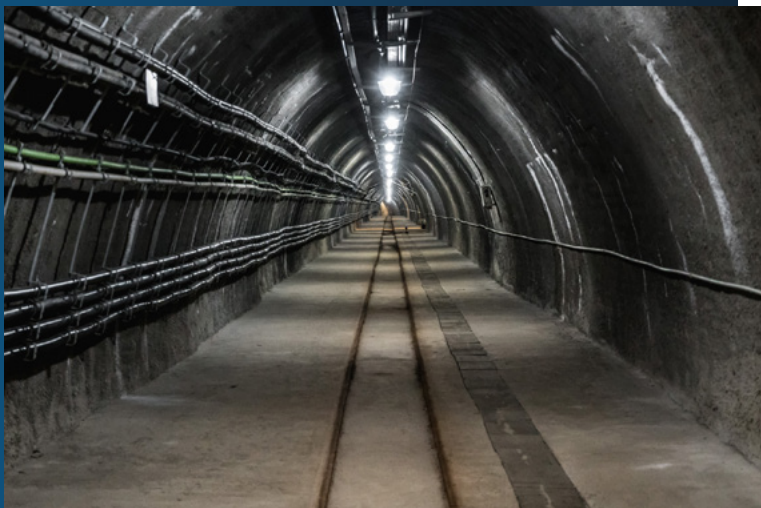


## TO STAY IN THE LOOP

Unlock exclusive access to everything OPTOKON has to offer by subscribing to our News & Offers! By simply scanning the QR code, you'll be the first to receive:

- **Insider Updates** on our latest products before anyone else.
- **Exclusive Offers** tailored just for our subscribers.
- **Exciting Announcements**
- **Our Quarterly Newsletter**

Be the first in line for innovation, offers, and updates. Join the OPTOKON community today and never miss out!



## OptoNet Hosts Turkish Students Through Erasmus+ Mobility Project

OptoNet Communication participates annually every summer in the **Erasmus+ Mobility project**, hosting students from Turkey for internship activities focused on **Cyber Security and our industry**.

During their time with us, the students engage in hands-on learning experiences and explore various aspects of our operations. A highlight of their visit is the tour of the **OPTOKON Kable factory in Pelhřimov**, where they observe the production of hybrid and optical cables.

Additionally, we organize excursions to Jihlava's underground **Kolektor tunnels**, which serve as vital infrastructure for water, electrical, and fiber optic systems. The students also have the opportunity to visit the picturesque town of **Telč**, recognized as a **UNESCO World Heritage site**, where they immerse themselves in the rich history and culture of the region.

This initiative supports the development of future professionals in the field while allowing us to share our knowledge and expertise. We look forward to continuing our engagement with educational initiatives in the years to come!



# DATOVÉ CENTRUM VYSOČINA



**Tailored networking and telecom support for thriving businesses.**

**Cutting-edge data center solutions with top-tier security.**

**Reliability and innovation at your service.**

- Incorporates Energy-efficient Cooling Systems for Sustainable Operations
- Equipped with Robust Security Measures and Redundancy Protocols
- Strategically Located for Seamless Connectivity and Accessibility
- Compliant with Tier III+ Standards for Unmatched Reliability
- Cutting-edge Data Center Infrastructure



## Discover the Services at Datové Centrum Vysočina

Datové Centrum Vysočina is designed to meet the diverse needs of businesses, particularly in telecommunications and IT. Here's a closer look at the comprehensive services offered:

### **Dedicated Servers**

High-performance servers tailored to your specific requirements, providing reliability and speed.

### **Rack Housing**

Secure and efficient rack space for your equipment, ensuring optimal conditions.

### **Cloud Storage Solutions**

Scalable cloud services that allow for easy data management and backup, enhancing accessibility and collaboration.

### **Virtual Servers**

Flexible virtual server solutions that maximize resource utilization and cost-efficiency.

### **High Availability**

Guaranteed uptime with advanced infrastructure to minimize downtime and ensure continuous operations.

### **Advanced Security Measures**

State-of-the-art security protocols protect your data from cyber threats and unauthorized access.

### **Backup and Disaster Recovery**

Robust backup solutions and disaster recovery options to safeguard your data and ensure business continuity.

### **24/7 Expert Support**

Our dedicated team is available around the clock to assist with any issues or queries, ensuring peace of mind.

Datové Centrum Vysočina is committed to delivering exceptional IT solutions, helping businesses grow while maintaining a secure and efficient operational environment.



# Enhance Your Security with OPTOKON Pacific's CCTV Solution



At **OPTOKON Pacific in Malaysia**, we are dedicated to providing high-quality security solutions. Our cutting-edge CCTV cameras are designed to provide exceptional protection for your assets and personnel, ensuring peace of mind in today's world.

## Why Choose OPTOKON CCTV?

- **Crystal Clear Imaging:** Our high-resolution cameras capture sharp images, day or night, so you never miss a moment.
- **Easy Integration:** With advanced video management software, our systems seamlessly fit into your security setup, making monitoring and playback a breeze.
- **Quality You Can Trust:** Every camera undergoes rigorous inspection before reaching you, ensuring reliability and top performance.
- **Comprehensive Support:** We're here to help you every step of the way, from installation to ongoing training, so you can get the most out of your security system.

Join countless businesses that trust OPTOKON for their security needs. With our CCTV solutions, you're not just investing in technology; you're securing your future. Experience the OPTOKON difference today!

## OPT-SP-IPM3515-A OPT-SP-IPM3518-A CCTV Camera

The OPT-SP-IPM3515-A and OPT-SP-IPM3518-A dome cameras offer exceptional security with **5MP and 8MP/4K resolution** options. Designed to withstand tough conditions, these **IP67-rated cameras are both waterproof and vandal-proof**. With dual-stream support (H.265+/H.265/H.264), a **motorized zoom lens** (2.8-12mm), and 30pcs IR LEDs, they provide **clear night vision up to 50 meters**. They can be powered via DC12V or PoE, making them versatile for any security setup.



## OPT-SP-EXIP1016 CCTV Camera

The OPT-SP-EXIP1016 is a robust CCTV camera designed for harsh environments. With a **6MP resolution** for high-definition clarity, it features an **IP68 rating for waterproof and dustproof performance, an explosion-proof design for safety**, and ONVIF support for easy integration. Its 50-meter IR distance ensures reliable night vision, making it ideal for demanding security needs.



# Introducing the New OFT-4212-MCMU

The OFT-4212-MCMU is designed to meet the rising demand for higher data rates, supporting **400G, 800G, and 1.6TBASE-SR8/DR8 formats with 16-fiber connectivity using SN-MT connectors**. OPTOKON offers two variants: a **laboratory tester and a manual tester**.

These multi-fiber testers can measure output power from any filament on **Base-12 or Base-16 connectors** and support simplex and duplex connections. The OFT series optical power meters ensure testing of LC, MDC, SN, and MPO connections with

exceptional flexibility and accuracy. Additionally, our laboratory testers perform simultaneous insertion loss testing across multiple wavelengths while measuring return loss.

The new OPTOKON instruments cater to all network configurations, from basic setups to emerging systems. The laboratory tester also **connects with QR readers** for enhanced functionality.

We are also introducing a series of handheld testers for field testing Base-12 and Base-16 connectivity. All testers are calibrated in our accredited laboratory, ensuring repeatable and accurate measurements across common connection systems.



## MOT-200 Mini OTDR series

- **USB Type-C Port** for data transmission
- Temperature Range: **10°C - 50°C** (operating); **-20°C - 70°C** (storage)
- **4.95-inch Capacitive Touch Screen**
- **One-Button Automatic Testing**
- **Built-in OLS, OPM, VFL, and RJ45 Cable Tester**
- **Stores 1,000+ Testing Results**
- **Professional Software for report generation**



**NEW  
ON THE  
MARKET!**

# Built for the Harshest Environments

OPTOKON Kable    OPK-U-BRFTAC-4(4X2,0)



Rugged



Reliable



Ready



## Introducing our New Breakout Tactical Cable

The Breakout Tactical Cable OPK-U-BRFTAC-4(4x2.0)N9AHAU is engineered to meet the rigorous demands of military and industrial environments. Designed for temporary deployment in harsh conditions, this cable offers unmatched resilience in critical communication operations.

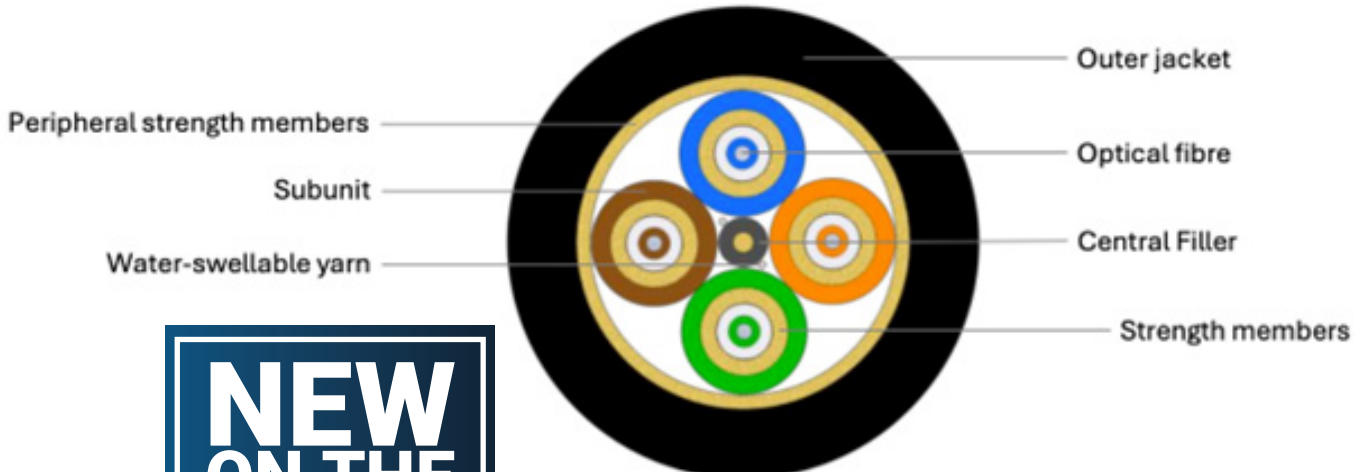
### Key Features:

- **Military-Grade Communication:** Ensures dependable data transmission even in the toughest field conditions.
- **Wide Temperature Range:** Operates between -55°C and +85°C, ensuring connectivity in extreme climates.
- **Flexible and Durable:** With increased flexibility

and breakout construction, it allows for easy handling and installation.

- **Superior Resistance:** Resistant to abrasion, cutting, and impact damage, making it ideal for high-risk environments.
- **Temporary and Industrial Deployments:** Perfect for use in temporary setups, industrial applications, and tactical operations.

This cable has undergone stringent testing for tensile strength, crush resistance, and water tightness to ensure peak performance. With its robust design, the OPK-U-BRFTAC-4(4x2.0)N9AHAU is the go-to choice for reliable data communication in unpredictable conditions.



**NEW  
ON THE  
MARKET!**



# OPTOKON LMRG-8: Advanced Radiation Detection for Critical Applications

The OPTOKON LMRG-8 rugged radiation detector is an advanced tool designed to detect and measure gamma and beta radiation intensity. It excels in its ability to quickly and accurately identify isotopes, making it an invaluable instrument in various fields where a rapid response to radiation threats is essential. Its robust design and cutting-edge technology ensure reliable performance even in the most demanding conditions.



## Applications of OPTOKON LMRG-8

1. **Military:** Protection of crews, radiation monitoring during operations.
2. **Police/Rescue Services:** Radiation detection in crisis response, protection of teams.
3. **Vehicles:** Radiation monitoring while in motion in armored vehicles.
4. **Drones/UAVs:** Aerial radiation monitoring in hard-to-reach areas.
5. **Industry:** Radiation control in nuclear power plants and industrial facilities.
6. **Civil Protection:** Deployment during disasters, monitoring public spaces.
7. **Scientific Research:** Examination of radiation-contaminated areas, scientific studies.



## LMCP-7H

The OPTOKON LMCP-7H compact, ultra-durable server is equipped with an Intel® CPU, M2 on-board disc, removable SSD, and up to six Gigabit Ethernet ports. It supports up to 64 GB of DDR4 memory, offering reduced power consumption compared to DDR3-based servers. Designed for military-grade use, the LMCP-7H is built to withstand harsh environments, with an operating temperature range of -32°C to 75°C and protection against dust, shock, and vibration.

It features a rugged design with removable high-capacity SSD, erase functionality, six routed GbE ports, USB, and RS-232 output ports. The server meets MIL-STD-810G and MIL-STD-461G standards, ensuring reliability in extreme conditions.



# PM-215E Pocket optical power meter/USB probe

The PM 215E optical power meter is a small, pocket size low cost item. The small size does not prevent the optical meter fulfilling all technical requirements for field equipment. The tester can be used as pocket power meter or as an USB probe, part of testing workstation. It can be placed within rack mount ODF's with the display on the top or on the side. The Li-Pol rechargeable battery ensures long term working time with a minimum life time of 2 years. The unit is able to store 100 measurements which can be uploaded to PC and managed with SmartProtocol software or Data Exporter.

- Portable power meter or USB probe
- New faster hardware
- Option for Bluetooth or WIFI module
- Supports SM and MM fiber testing
- More than 20 working wavelengths
- Absolute and Relative power measurement
- Internal memory for up to 100 measurements
- Comes with its own application for setting, data transfer
- USB-C port for control, charging, and data transfer



**NEW  
DESIGN!**

## LS-215E

The LS-215E optical light source is a small size low cost item which fulfils all necessary technical field equipment requirements. Available in working wavelengths 850/1300 for multimode or 1310/1550 nm for single mode applications or a visible 650 nm laser source. Batteries can be charged via a USB port or external AC/DC adaptor.

The versatile output port facilitates the simple integration of commonly used optical adapters (FC, SC, or ST) in telecommunications, data, and industrial networks. This output port is specifically designed for the connection of connectors with a PC polished finish.

- Dual wavelength output
- Multimode and Single mode version
- Smallest size, light weight
- Changeable output adapters
- USB port: Battery charging
- Powered by Li-Pol type battery
- Battery status indicator
- 10 min Auto Off

**NEW  
ON THE  
MARKET!**



# LMSW-E33-242M series

## RUGGEDIZED 1/10 GIGABIT ETHERNET LAYER 2/3 MANAGED POE SWITCH 2X 1/10G WAN, FO HMA 24X LAN 10/100/1000BASE-T, POE

The OPTOKON® LMSW-E33 ruggedized switch based on Cisco® IE industry technology extends switching capabilities to mobile and embedded networks that operate in extreme environments. The flexible, compact form factor of the switch, powered by Cisco IOS® Software, provides highly secure data, voice, and video communications to stationary and mobile network nodes, making it ideal for use in harsh environmental conditions. 10G fiber optic ports are terminated with HMA "Expanded Beam" connectors, which allows interconnection of the nodes of tactical network by the

**OPTOKON's R&D**  
SOLUTION TECHNOLOGY INTEGRATOR OF  
**CISCO SYSTEMS**

help of cables with optical fibers. The used "Expanded Beam" technology preserves all advantages of signals transmission through the optical lines in field harsh environmental conditions. The switch supports a variety of management functions, including Web UI, MIB, SmartPort, SNMP, syslog, DHCP server, SPAN session. The switch is able to fit all the common 24 V DC power systems. The switch operates in wide operating temperature range -40 to +70°C. The switch can operate as standalone device or in addition the 19" brackets allow switch installation into 19" rack.



## LMDS Light Mobile Data Switch

The LMDS is a lightweight mobile data switch in a portable frame powered by a built-in UPS. Both devices meet the required IP rating. It can be powered from AC 230 V or DC 24 V mains. For batteries it is possible to monitor their status - transparent window on the cover.

The switch based on the proven Cisco ESS 3300 technology in a ruggedized design meets all require-

ments for the establishment and operation of mobile data networks.

A 10 Ah battery type BB-2590U serves as a backup power supply. This assembly ensures compatibility on the contemporary battlefield and the unification of charging sources used, for example, in L3Harris FALCON II radios, III and FALCON IV.

- Ruggedized design for setting up mobile networks
- Proven Cisco ESS 3300 technology
- 2x WAN 1/10G
- 8x LAN 10/100/1000Base-T(X) with PoE
- MRJ-resistant connectors
- Reliable, widely used batteries - 2 pcs
- Battery status indication
- Easy battery replacement during operation
- External Power Supply:
  - 230 V AC from AC generator
  - 24 V DC from the vehicle's on-board power supply



