

High-speed optoelectronic connection for surveillance in North Macedonia resistant to low temperatures

In this paper, we review some of the recent advances in high performance optical waveguide grating couplers (WGC) as a key enabling technology for future high capacity ...

Northern Macedonia has purchased three mobile surveillance and surveillance systems from the MUSON - MUSON 20FM series, developed by the Bulgarian company Opticoelectron, ...

At Nedinsco, we offer systems that enhance combat effectiveness through Combat Vision. Our electro-optical solutions deliver exceptional clarity in all weather and lighting conditions, supporting both ...

To demonstrate the proposed technology, we functionally decompose and design an IP prototype of a high-speed optical interconnection interface, which shows clear eye diagrams at 56 ...

Specifically, optoelectronic fiber devices, such as fiber-shaped photodetectors, fiber-shaped solar cells, and fiber-shaped light-emitting devices, have shown great promise in real-time ...

By employing high-precision inertial measurement units and advanced servo control systems, we maintain image stability, allowing for clear identification and tracking of targets despite ...

With a sharp rise of attention on energy efficiency, researchers have proposed and demonstrated innovative materials, high-speed devices, and components integrated on a single platform that...

This manuscript intends to provide an overall review on the latest developments and critical considerations in the design and optimization of high-speed 850 nm VCSELs and to provide ...

DRI-EO-12 is an optoelectronic system design for detection, recognition and identification. Customized payload features, as well as FOG based stabilization provides ultra-long-range observation and ...



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