

Satellite Communications

COUNTER EVERY THREAT





Send every signal

Since 1942, Photonis has provided the world with reliable radio frequency (RF) power and Traveling Wave Tube (TWT) technologies to deliver broadcast, satellite and data solutions. No matter how you need to communicate, Photonis ensures you will be the first to receive all critical communications.

Sensitive communications delivered by Photonis

Satellite

Photonis is an industry leader in the encoding and delivery of critical satellite communications for use in commercial point-to-point communications within private or encrypted satellite communications networks. Our products support a wide range of commercial bands in broadcast and microwave frequencies with proven long-life technologies for reliable and accurate signaling.

Short Wave

When disaster strikes, short wave communications often provide some of the first assessments to responders and rescuers, helping guide the way to those areas with the most critical needs. Photonis has a long-standing history in providing short wave radio tubes for amateur radio operators, remote stations and custom applications where low power and wide frequency ranges are required.

Broadband

Photonis is the leader of innovation in commercial broadband solutions, starting with the advent of wide-spread radio and television communications. Our products are known world-wide for providing reliable, long-life communications to deliver radio and television communications, delivering entertainment and critical news to countries all over the globe. Today, Photonis offers custom RF solutions tailored to your specific needs.



Receive critical intel

Since World War II, Photonis has been a leader in signal detection and communications solutions enabling a wide range of airborne, ground-based and shipboard satellite and data communications programs that ensure signal intelligence is clearly received.

Radar

Photonis provides a wide variety of solutions that support active radar jamming as well as deception and radar detection and signaling. Our products can be used on shipboard, airborne, and ground-based systems and can be customized to meet your exact requirements:

- Large Power Tetrodes and Triodes
- Cavities
- Microwave Power Modules
- Traveling Wave Tubes

Satellite

Photonis satellite communication solutions offer a long history of providing and sustaining data and satellite links to support mission-critical communications where information received can allow you to be the first to save lives. Our products are used by US and NATO forces for reliable satellite links in applications such as:

- Shipboard Communications
- Airborne Communications
- Data Links
- Navigation Systems

Custom SIGINT

Photonis provides a wide range of custom communication solutions specially designed to support SIGINT communications across short wave, broadcast, radar, microwave and classified frequencies. We are the leading supplier for defense-defined frequency-related SIGINT communications, including links to the Patriot Missile System, the Space Shuttle and a wide variety of classified programs.

- Ground Stations
- Missile Communications
- Navigation Data
- Mobile Communication Links



PHOTONIS

Power and Microwave

Photonis USA Pennsylvania, Inc.

1000 New Holland Avenue
Lancaster, PA USA 17601

T +1 717 295 6888
F +1 717 295 6096
E info@photonisusa.com

Photonis USA Pennsylvania Inc. operates under a Special Security Agreement (SSA) with the Defense Security Service of the United States Department of Defense

www.photonis.com

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