

What are some brands of white light communication equipment



Overview

Visible Light Communication Companies This list of the top companies of Visible Light Communication is drawn from assessments by Mordor Intelligence analysts.

Key Takeaways

Key manufacturers of white light communication (Visible Light Communication) equipment include Oledcomm, PureLiFi, Acacia Communications, and Source Photonics. Leading VLC and White Light Communication Companies

- Oledcomm – A French company specializing in LiFi and visible light communication solutions for indoor networking and secure data transmission .
 - PureLiFi – A UK-based pioneer in LiFi technology, offering LED-based communication systems for enterprise, industrial, and consumer applications .
 - VLNComm – Focuses on high-speed visible light communication modules and integrated LED transmitters for commercial and industrial use .
 - Signify (formerly Philips Lighting) – Provides LED lighting systems with integrated VLC capabilities for smart building and IoT applications .
- Optical Communication Systems Companies Supporting VLC

Some optical communication companies also develop components suitable for white light communication, including high-speed LEDs, photodetectors, and transceivers:

- Acacia Communications – Offers coherent optical modules and networking equipment that can be adapted for VLC research and high-speed optical links .
- Source Photonics – Manufactures optical transceivers and connectivity solutions, which can support visible light communication experiments and deployments .
- Osram Opto Semiconductors – Produces high-power LEDs and photonic components used in VLC systems .

Additional Considerations

When selecting a manufacturer, consider:

- Application type: Enterprise networking, industrial automation, or consumer devices.
- Data rate requirements: Some companies focus on high-speed LiFi, while others provide lower-bandwidth VLC for IoT.
- Integration with existing lighting: Many VLC solutions are embedded in LED lighting fixtures for dual-purpose illumination and communication. These companies represent the forefront of white light communication technology, offering both complete systems and components for research, commercial, and industrial applications .

Article Content

Top 28 Optical Communication Systems Companies

Enhanced bandwidth, minimized latency, and energy efficiency are shaping the future direction of these cutting-edge technologies.

Visible light communication

VLC is a subset of optical wireless communications technologies. The technology uses fluorescent lamps (ordinary lamps, not

Optical communication

Optical communication, also known as optical telecommunication, is communication at a distance using

A Review of Advanced Transceiver Technologies in Visible Light

Visible Light Communication (VLC) is an emerging technology that utilizes light-emitting diodes (LEDs) for both indoor

Top 28 Optical Communication Systems Companies

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Visible Light Communication System Technology Review: Devices

Visible light communication (VLC) is an advanced, highly developed optical wireless communication (OWC) technology

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