

FREE SPACE LASER COMMUNICATION

ABSTRACT

Free space laser communication is a technology that uses lasers to transmit data through the atmosphere without the need for cables or wires. This form of communication is becoming increasingly popular due to its high speed, low latency, and ability to transmit large amounts of data over long distances. In this process, data is encoded onto a laser beam and sent through the air to a receiver, where it is decoded and converted into its original form. FSLC is being used in several applications, including high-speed internet connections for remote areas, satellite communication, and deep space communication. The technology has also been tested in military applications, such as unmanned aerial vehicles (UAVs) and missile guidance systems. In conclusion, FSLC is a promising technology that offers high-speed and secure wireless communication for various applications. With ongoing research and development, FSLC could become a viable alternative to traditional wireless communication methods in the future.

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