

NAV OCULAR

LiFi

Massive Bandwidth for Every Device





9RAYZ

LiFi

Consistent, Secured Wireless Light Communication: A Game-Changer Set to Revolutionize the Communications Industry

Nav Ocular: Your Gateway to the Future of Wireless Connectivity

Experience the future of wireless communication with Nav Ocular, the next-generation technology that's set to redefine the way we connect to the internet. Unlike traditional Wi-Fi, LiFi leverages visible light to transmit data, creating a more secure, faster, and reliable wireless connectivity solution for your digital needs. This groundbreaking technology encodes data within the rapid flickering of LED lights, a process imperceptible to the human eye, and decodes it seamlessly with a LiFi receiver in your device. With Nav Ocular, you can enjoy lightning-fast internet connectivity without the electromagnetic interference that plagues conventional wireless networks. As we enter an era of smart homes, connected offices, advanced healthcare, and efficient transportation, Nav Ocular paves the way for a brighter, more connected future. Embrace the speed of light and elevate your digital experience with Nav Ocular.



Speed



Energy Efficiency



Security



Reduced RF Interference



Health and Safety



Integration with Lighting



Green Technology

Technical Specifications:

LED

Product	Nav Ocular
Communication speed	65Mbps To 75Mbps
Modulation	OFDM
Transmission Interface	Ethernet Port
Communication distance	3 Meter to 6 Meter
Communication Mode	Full Duplex
Directional/Half Value angle of light	40 Degree To 130 Degree
Rated power supply voltage	100-230V AC, 50-60Hz (To LED)
Power Consumption (Available Range)	5W to 60W
Operation Temperature Range	0 to 40 C
Storage Temperature Range	-20 to 60 C

Dongle

Standards	IEEE 802.11bb
Receiving Interface	USB 3.0/ Type C
Operating System	Windows 7 OS onwards/ macOS 12
Security	AES (128 Bit)
Topology	Master/Slave Method
Max Slave Number (Receiver)	4
Operation Temperature Range	0 to 40 C
Storage Temperature Range	-20 to 60 C

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Phone: +64 21 105 4718
Email: info@9rayz.com
website: www.9rayz.com

15 Jack Conway Avenue, Manukau City Centre,
Auckland 2104

Manufacturer

