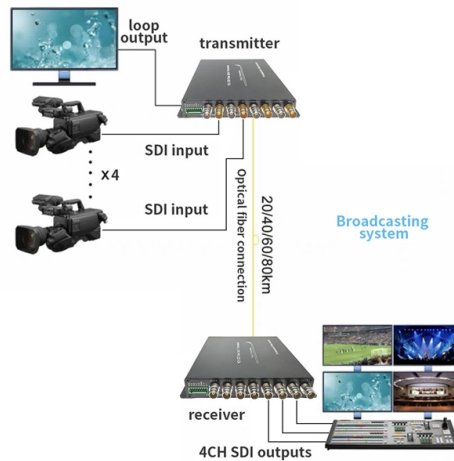


Optical Module Industry yole



Overview

Recently, market research institution YOLE Group pointed out in its latest market report that in the datacom segment in 2024, the AI-driven optical module market will witness a year-on-year growth of 45%. Yole Group attended OFC 2026 with a dedicated team of analysts on site, actively engaging with major players in the photonics ecosystem throughout the event. Each new generation of optical modules is backwards-compatible with the previous-generation technology. At the beginning of 2023, the outlook for the optical module market was dim due to reduced. According to a report by the YOLE Group, global optical transceiver market revenue slightly declined from \$11 billion in 2022 to \$10.9 billion in 2023, but it is expected to reach \$22. Generative AI will drive expansion in data centre infrastructure and the optical transceiver adoption supporting it. New hardware evolution to enable L3 and L4 ?

When ?

Direct jump to L4?

Even if 4 LiDARs are implemented in the LS500h, it is still branded L2. On the road to autonomy levels, Audi was.



Article Content

Optical transceiver market to be worth \$22.3bn in 2028

The optical transceiver market is set to grow at 12% CAGR from 2022-28, doubling in value in that period to be worth \$22.3 billion in 2028, says Yole

Co-Packaged Optics (CPO) Market Size to Hit USD

The global co-packaged optics (CPO) market size is evaluated at USD 95.04 million in 2025 and is predicted to hit around USD 1,055.11 million by

Yole Intelligence

The silicon photonics datacom module market will be mostly driven by pluggable modules 800GbE and above. The innovations for pluggables will bring power reduction achieved by using TFLN, BTO and

The optical module market has benefited from the AI boom

Recently, market research firm YOLE Group stated in its latest market report that the AI-driven optical module market will see a 45% year-on-year growth.

Optical Transceivers for AI-Driven Growth Datacom

By 2024, sales of optical modules for AI clusters are expected to surpass \$4 billion, up from \$2 billion in 2023 and less than \$2 billion in 2022. YOLE Group also forecasts that in the

AI infrastructure accelerates the shift to scalable optical systems ...

With 1.6T gaining momentum and 400G/lane, the industry is moving beyond component innovation toward power-efficient, integrated, and deployment-ready optical architectures. Yole

Co-packaged Optics: all eyes on high-performance

In this context, Yole Intelligence releases its Photonics & Lighting report, Co-packaged Optics for Datacenter 2023. In this report, the company – part of Yole

LIVE WEBINAR | CO-PACKAGED OPTICS: POWERING THE NEXT

Powering co-packaged optics with advanced semiconductor equipment and process innovation. April 28 – 8 am SGT (Singapore, 04/28) – 5 pm PST (San Francisco, 04/27) The webinar has now ended.

Camera modules reimagined: new drivers, new markets,

Yole Group is pleased to announce the release of its annual report, Camera Module 2025. With smartphones resurging, automotive accelerating, and

Optical Transceiver Industry: Yole Applications Drive

Yole Intelligence offers a specific focus on the optical transceiver industry with a dedicated report: Optical Transceivers for Datacom & Telecom 2022.

2023 Imaging Outlook

The camera module industry is all about technical innovations The camera module industry is in an innovation journey: stacked CMOS image

Optical transceivers: co-packaged optics and Chinese

In this context, Yole investigates disruptive technologies and related markets in depth, to point out the latest innovations and underline the business

Optical Module Industry Statistics | 2026 Education Report

See how optical module demand is being reshaped by datacom, which held a 55% share of the market in 2023, and by the next wave of speed upgrades from 400G and 800G data center

YOLE: In 2024, the datacom optical module market will

Recently, market research institution YOLE Group pointed out in its latest market report that in the datacom segment in 2024, the AI-driven optical

The trends driving optical transceiver technology

Stellantis has recently partnered with Valeo to develop L3 functionalities. Valeo is expected to remain leader, but competition is increasing, especially from Chinese players.

Yole Group

Yole Group - Access daily business, market & technology updates in the semiconductor industry, our Analysts' Analysis and Presentations and more

The trends driving optical transceiver technology

High volume of module adoption forces the operators to carefully choose the right technology for each application (transmission distance) Server-TOR: Copper cables dominate, but with a data rate

Warning: The entire AI industry will likely be bottlenecked by two ...

And two vendors could freeze the global InP substrate market covering nearly all of: - Hyperscaler optics (TPU pods, etc) - Optical transceivers (5g, data) - LiDAR (robotaxis, drones,

Camera modules become a multi-pillar growth story

With smartphones resurgent, automotive accelerating and new use cases expanding fast, camera modules are no longer a single-engine industry. They are becoming a multi-pillar growth

52 Market focus: Optical transceivers Optical transceiver market to ...

Optical transceiver market to more than double to \$17.7bn by 2025 Optical transceiver market revenue forecast, by application (2019-2025) The COVID-19 pandemic is affecting telecoms globally,

LG Innotek, Sony, Sunny Optical, Samsung More and

In this context, Yole Intelligence has released its annual imaging report, Status of the Camera Module Industry 2023, which provides market data

Contact Us

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