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# Global Video Transmission SerDes Chip Market Growth 2026-2032

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## Abstracts

The global Video Transmission SerDes Chip market size is predicted to grow from US$ 161 million in 2025 to US$ 524 million in 2032; it is expected to grow at a CAGR of 18.7% from 2026 to 2032.

Video Transmission SerDes Chips are key high-speed serializer/deserializer components designed for video signal transmission and display interconnection, enabling low-latency and high-bandwidth transmission of high-definition video data with excellent signal integrity and interference resistance. They are widely used in automotive imaging, display, and camera systems. In 2024, production reached 53.85 million units with an average price of $2.6 per unit. The single-line annual capacity was approximately 500,000 units, and the average gross margin was about 55%. The upstream segment consists of silicon wafers, substrates, and packaging materials, as well as precision semiconductor manufacturing equipment such as lithography, etching, and ion implantation machines, with representative suppliers including SUMCO, GlobalWafers, Shin-Etsu, ASML, Applied Materials, Lam Research, and Chinese companies such as Shanghai Silicon Industry Group, AMEC, and JCET. The midstream focuses on device design and process implementation, covering physical-layer IP integration, high-speed link and mixed-signal circuit design, packaging and test process development, and signal integrity and reliability validation. Downstream applications target video display and imaging systems in commercial and passenger vehicles, with representative customers including Daimler, Volvo Trucks, Cummins, SAIC Motor, Geely, and BMW.

Automotive-grade SerDes chips are positioned for accelerated adoption driven by the proliferation of multi-camera and multi-sensor ADAS/automated driving suites and the shift to high-bandwidth in-vehicle Ethernet architectures. Standardization efforts and

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open ecosystem initiatives are reducing integration friction and unit costs, while technical requirements for low latency, deterministic links and automotive reliability create a high-barrier moat for qualified suppliers — making SerDes not only a technical enabler for next-generation domain controllers but also an attractive, long-term market segment for semiconductor vendors and tier-1 suppliers.

## Report Scope

LP Information, Inc. (LPI) ' newest research report, the “Video Transmission SerDes Chip Industry Forecast” looks at past sales and reviews total world Video Transmission SerDes Chip sales in 2025, providing a comprehensive analysis by region and market sector of projected Video Transmission SerDes Chip sales for 2026 through 2032. With Video Transmission SerDes Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Video Transmission SerDes Chip industry.

This Insight Report provides a comprehensive analysis of the global Video Transmission SerDes Chip landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Video Transmission SerDes Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Video Transmission SerDes Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Video Transmission SerDes Chip and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Video Transmission SerDes Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Video Transmission SerDes Chip market by product type, application, key manufacturers and key regions and countries.

## Market Segmentation

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## Segmentation by Type:

? 6Gbps

? 6Gbps

## Segmentation by Channel:

Single-Channel

Multi-Channel

## Segmentation by Protocol:

MIPI A-PHY

FPD-Link

Others

## Segmentation by Resolution:

720p

1080p

Others

## Segmentation by Application:

Passenger Cars

Commercial Vehicle

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This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe
  - Germany
  - France
  - UK
  - Italy
  - Russia
- Middle East & Africa

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Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Analog Devices (Maxim)

Texas Instruments

Inova Semiconductors

Sony Semiconductor

ROHM Semiconductor

THine Electronics

Renesas

Goke Microelectronics

Ruifake Semiconductor

VelinkTech

## Key Questions Addressed in this Report

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What is the 10-year outlook for the global Video Transmission SerDes Chip market?

What factors are driving Video Transmission SerDes Chip market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Video Transmission SerDes Chip market opportunities vary by end market size?

How does Video Transmission SerDes Chip break out by Type, by Application?

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