



YDSAOC — Company Introduction

An Industry Leader in Active Optical Cable Manufacturing

Since **2007**, YDSAOC has established itself as a world-class manufacturer of highly reliable, user-friendly **Active Optical Cables (AOCs)** designed for USB, HDMI, DisplayPort, DVI, and high-performance computing applications. With over **two decades of dedicated expertise** in the fiber optics and cable assembly industry, we have become a trusted, innovative partner for next-generation connectivity solutions worldwide.

Who We Are

YDSAOC is an **OEM & ODM factory** specializing in the research and development of fiber optics technology. We are recognized as a **High-tech enterprise**, and for more than **20 years** we have been actively working within the fiber optics industry and USB cable assembly sector. This deep, long-standing experience has enabled us to accumulate extensive expertise and knowledge, positioning us as a premier factory for sourcing advanced connectivity products.

Our mission is simple yet ambitious: to deliver custom cable products and exceptional service that empower our clients to achieve the utmost quality and performance in every application.





YDSAOC
Active Optical Cable Manufacturer

An Industry Leader in
Active Optical Cable Manufacturing





ABOUT US

World-class manufacturer of
reliable Active Optical Cables (AOCs)

USB

HDMI

DisplayPort

DVI

High-Performance Computing



20+ Years

in Fiber Optics &
Cable Assembly



WHO WE ARE



OEM & ODM Factory —
Fiber Optics R&D



Recognized High-Tech
Enterprise



*To deliver custom cable
products and exceptional service*



ACTIVE OPTICAL CABLES

your best fiber optics partner

What We Produce

YDSAOC is the premier factory choice for sourcing:

- ♦ **Fiber Optic HDMI Cables**
- ♦ **Fiber Optic USB & USB-C Cables**
- ♦ **DisplayPort Cables**
- ♦ **AR & VR Headset Cables**
- ♦ **Toslink Cables**
- ♦ **Customized Connectivity Solutions**

Our products are engineered for high-definition audio, video, and data transmission needs, providing unmatched quality and reliability across every deployment.

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- **Fiber Optic USB & USB-C Cables**



- **DisplayPort Cables**



- **AR & VR Headset Cables**



- **Toslink Cables**



- **Customized Connectivity Solutions**



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Our Commitment to Quality & Craftsmanship

Craftsmanship is at the heart of our company. We proudly call ourselves *craftspeople* to express our passion for creating durable, dependable cables. We are in a constant state of improvement, refining our manufacturing processes to ensure every project succeeds as expected.

We believe that only the most qualified staff can go the extra mile to meet our customers' expectations of perfection. That is why we never stop recruiting and developing cable experts within our electronics industry — investing in talent is investing in quality.

We guarantee:

- ☒ Only **premium materials** in every product
- ☒ **Quality engineering** in design and manufacturing
- ☒ **The highest quality control** throughout the entire production process

All of YDSAOC's products are manufactured in **ISO and UL certified facilities**, which underpin our solid reputation for excellent product performance and reliability.

Where Our Products Are Used

YDSAOC's cables are used every day across a diverse range of sectors that demand the utmost in quality and performance:

Government organizations

Educational institutions

Commercial enterprises

Any organization requiring high-performance cable solutions

Applications of Active Optical Cable (AOC)

High-speed, long-distance connectivity across diverse industries.



1 Traffic Monitoring

Uninterrupted connectivity for real-time traffic data, safety and efficiency.



2 Security & Surveillance

HD/4K/8K video support, effective monitoring without downtime.



3 Control Rooms

Ultra-high bandwidth for instantaneous data and video switching.



4 Healthcare

EMI/RFI immunity ensures reliable transmission in medical environments.



5 Education

Connectivity in large lecture halls, overcoming copper cable limits.



6 Digital Signage

High-quality displays with consistent transmission of information.



7 Conference Rooms

Plug-and-play design makes connectivity easy for presenters.



8 Government Campuses

Thinner and more flexible than copper, reducing cable clutter.



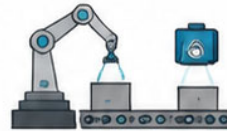
9 USB4 Applications

Extends reach while maintaining power and signal integrity.



10 Audio Visual Entertainment

Superior signal quality for home theaters and gaming.



11 Industrial & Machine Vision

Durable, high-performance for automated inspection.



12 Broadcast Systems

High bandwidth and low latency for seamless content delivery.



13 Simulation Systems

Real-time transmission for realistic training.



14 Data Centers & HPC

Pivotal for high-performance computing and extensive configurations.



15 Consumer Electronics & IT

High-res displays, VR devices, and high-bandwidth apps.



16 Aerospace, Defense & Automotive

High-speed, robust connectivity for critical sectors.

Core Benefits



Reliability



Long Distance



EMI Immunity



High Bandwidth



Flexible Installation



Power Delivery



Plug-and-Play



Environmental Responsibility & Operational Excellence

YDSAOC is deeply committed to **minimizing our impact on the environment**. The www.YDSAOC.com family operates globally from **state-of-the-art facilities** designed to run **completely pollution-free**.

Our significant investment in the **latest manufacturing technology** provides a dual benefit:

- ♦ **Environmental sustainability** — cleaner, more efficient production
- ♦ **Competitive pricing** — advanced automation reduces costs without sacrificing quality

With **8 automated production lines**, YDSAOC achieves greater output while maintaining the same uncompromising high-quality standards.

Innovation in Active Optical Cable Technology

YDSAOC is dedicated to constantly bringing **breakthrough products** to the market through continuous innovation.

Understanding Active Optical Cables (AOC)

An Active Optical Cable (AOC) is a cable with **optoelectronic modules in the connector heads** that convert electrical signals to light. The technology works as follows:

1. **Electrical input** is converted to photons via a specialized chipset or driver combined with laser(s).
2. **Photons travel** through the optical fiber to the other end of the cable.
3. **Photons are received** and converted back to electrical impulses.

Put simply, an AOC is an **optical fiber jumper cable terminated with optical transceivers on both ends**. It uses electrical-to-optical conversion at the cable ends to improve **speed and distance performance** — all without sacrificing compatibility with standard electrical interfaces.



Why AOC Technology Matters

As data rates rise and data center clusters grow in size, traditional copper cable technology is being stretched to its limits. **Active Optical Cables were invented to replace copper technology** in:

- ♦ **Data centers**
- ♦ **High-Performance Computing (HPC)**
- ♦ **A/V (Audio and Video) applications**

In the era of the optical network, AOC cables capture a major share of the high-speed optical inter-connectivity market on a global level. YDSAOC provides the most **technically capable optical solutions** available in plug-and-play Active Optical Cables, delivering:

- ♦ **Superior data transmission speed**
- ♦ **Extended transmission distance**
- ♦ **Enhanced stability and flexibility** compared to traditional copper cables
- ♦ **Full plug-and-play compatibility** with standard interfaces

Custom Solutions & OEM Partnerships

With decades of cable engineering experience, YDSAOC helps **OEMs and equipment manufacturers** develop reliable **USB and USB-C connectivity solutions** — guiding projects **from concept development all the way through to full production**.

We offer **bespoke solutions** for both HDMI and USB connectivity, custom-tailored to meet the specific technical and commercial requirements of each client.



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Why Choose YDSAOC?

Advantage	Description
Proven Experience	Over 20 years in the fiber optics & cable assembly industry
Certified Quality	ISO and UL certified manufacturing facilities
Premium Materials	Only top-tier components in every product
Advanced Production	8 automated lines for high output & competitive pricing
Environmental Care	State-of-the-art, pollution-free global facilities
Technical Leadership	Breakthrough AOC innovation for speed & distance
Custom OEM/ODM	Full support from concept to production
Trusted Worldwide	Serving government, education & enterprise



ACTIVE OPTICAL CABLES

your best fiber optics partner

Our Vision

YDSAOC continues to lead the evolution of high-speed optical connectivity. Through relentless innovation, uncompromising craftsmanship, and a steadfast commitment to our customers and the environment, we aim to remain the **premier global partner** for Active Optical Cables and fiber optic connectivity solutions.

Connect. Transmit. Perform. — With YDSAOC.

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