CHINA INTERNATIONAL
OPTOELECTRONIC EXPO

CIOE 2024

THE 25TH CHINA INTERNATIONAL OPTOELECTRONIC EXPO

September 11-13, 2024
Shenzhen World Exhibition & Convention Center

240,000M² Exhibition Area
120,000+ Visitors
3,700+ Exhibitors

7 SUB-EXPOS

- INFORMATION AND **COMMUNICATION** EXPO
- PRECISION OPTICS EXPO **& CAMERA EXPO**
- INTELLIGENT **SENSING** EXPO
- INFRARED **APPLICATIONS** EXPO
- LASERS TECHNOLOGY & **INTELLIGENT MANUFACTURING** EXPO
- PHOTONICS **INNOVATION** EXPO
- DISPLAY **TECHNOLOGY** EXPO

CONCURRENT FORUM

CHINA INTERNATIONAL **OPTOELECTRONIC** CONFERENCE

CIOE E-Newsletter

#CIOE2024

Concurrent 7 Sub-expos Covering Entire Optoelectronic Ecosystem

CIOE 2024 (the 25th China International Optoelectronic Exposition), the world's largest and most influential optoelectronic event, will be held at Shenzhen World Exhibition and Convention Center from September 11 to 13, 2024. Concurrent seven sub-expos cover the fields of information and communication, laser, infrared, precision optics, camera and module, sensing, display, and photonics innovation, presenting a one-stop professional platform for branding exposure, business negotiation, and networking for optoelectronic players and professionals.

Information and Communication Expo

- Optical Communication Chip
- Optical Subassembly
- Optical Communication Device
- Optical Communication Module
- Optical Communication Transmission Equipment
- Optical Communication Data Center Equipment
- Broadcasting Communication Equipment
- Wireless Communication
- Optical Fiber Material
- Optical Fiber Cable / Fiber Sensing
- Wiring Product
- Wire and Cable
- Wire and Cable Manufacturing Equipment
- Instrument
- Semiconductor Material
- Semiconductor Equipment and Manufacturing
- Operation and Service

Lasers Technology & Intelligent Manufacturing Expo

- Laser Material and Component
- Lasers
- Laser Component and Auxiliary System
- Laser Equipment
- Mechanical System and Numerical Control System
- 3D Printing / Additive Manufacturing
- 3C Electronic Intelligent Equipment
- Robot and Industrial Automation

Infrared Applications Expo

- Infrared Material
- Infrared Component
- Infrared Equipment and Imaging
- Testing and Manufacturing Equipment
- Millimeter-Wave Technology and Application
- Terahertz Monitoring and Imaging
- UV Technology and Application

Precision Optics Expo & Camera Expo

Optical Material
Optical Cold Processing Component
Mould Pressing / Injection Molded Optical Component
Optical Processing Equipment
Sapphire Processing Application
Optical Film Component
Optical Coating Material
Optical Coating Equipment
Optical Lens

Camera Module
Camera Accessories
Camera Manufacturing Equipment
Camera
Optical Measuring Instrument
Optical Imaging System
Machine Vision and Industrial Automation
Endoscope and Accessories
AR&VR

Intelligent Sensing Expo

LiDAR
LiDAR Component
LiDAR System and Solution
3D Imaging and Sensing
3D Camera

Biometric
MEMS and Sensor
Millimeter-Wave Radar
Testing and Manufacturing Equipment
Industrial Sensor

Photonics Innovation Expo

Scientific Research Institution
College and University
Incubator
Professional Proficient Special New Enterprise
High-tech Enterprise

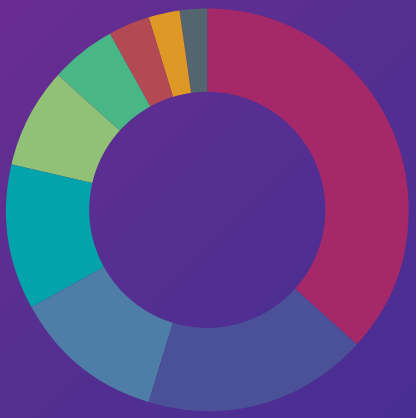
Display Technology Expo

Display Manufacturing Equipment
Display Material
Display Panel / Module
Terminal Display Product

From Technologies to Applications

Visitor Breakdown by 9 Application Fields

Optical Communication	32.72%
Advanced Manufacturing	17.21%
Consumer Electronics & Entertainment	16.05%
Semiconductor Processing / Manufacturing	12.18%
Sensing and Measurement	6.25%
Defense and Security	4.57%
Lighting / Displays	4.52%
Medical	4.29%
Energy	2.21%



Overseas Visitor Analysis

3,013 Overseas Visitors from **97** Countries and Areas

Top 10 Countries

U.S.A | Germany | Russia | Pakistan | India | Bangladesh | Singapore | Japan | Korea | Philippine

Visitor From 9 Application Fields

Optical Communication, Information Processing & Storage

19.41%	Optical Communication Chip
18.87%	Optical Device
16.01%	Optical Module
12.27%	Optical Fiber / Cable
11.05%	Optical Subassembly
5.46%	Telecom Operator
5.10%	Equipment Provider
3.04%	Data Center Service Provider
2.44%	System Integrator
1.82%	Internet Service Provider
1.71%	Contractor
1.70%	Network Planning, Design and Maintenance
1.12%	Others

Advanced Manufacturing

16.10%	Optical Component
14.03%	Camera and Module
11.71%	Optical Manufacturing and Processing Equipment
11.18%	Intelligent Equipment
10.01%	Optical Material
7.69%	Industrial Robot
7.01%	Laser Processing Equipment
6.65%	Automotive OEM
4.30%	Industrial Laser
3.63%	Machine Vision
3.56%	Hardware Mold
2.63%	3D Printing
1.50%	Others

Consumer Electronics

20.47%	Cell Phone
15.15%	AR/VR
12.64%	Automotive Electronics
11.88%	Household Appliance
9.33%	Service Robot / Drone
8.52%	Intelligent Automotive
7.31%	Tablet PC / Computer / Peripherals
5.29%	Wearable Electronics
3.87%	Intelligent Payment Device
3.33%	Intelligent Cockpit
2.21%	Others

Defense / Security

24.00%	Surveillance Equipment and System
22.01%	Infrared Product
14.02%	Aviation / Aerospace
11.66%	Security System Integrator
5.41%	Access Control Product and System
4.77%	Security Distributor / Agent
4.21%	Fire Fighting / Police
4.10%	Security Contractor
3.70%	Security Inspection
3.36%	Ocean / Shipping
2.76%	Others

Medical

21.86%	Medical Endoscope
20.17%	Medical Testing Equipment
16.66%	In Vitro Diagnosis Equipment
14.68%	Medical Therapy Equipment
12.11%	Medical Robot
8.19%	Medical Beauty Equipment
5.19%	AI Medical Enterprise
1.14%	Others

Sensing, Measurement

48.05%	Intelligent Sensor
35.44%	Testing and Measuring Equipment
7.12%	Sensor Distributor / Agent
6.65%	Internet of Things
2.74%	Others

Semiconductor Processing / Manufacturing

27.93%	Semiconductor Manufacturing
23.84%	Semiconductor Equipment
20.32%	Semiconductor Material
14.71%	Fabless
7.90%	PCB
5.30%	Others

Lighting & Displays

31.21%	Packaging / Lighting
20.04%	Display Material and Component
16.11%	Display Module
15.02%	Display Panel
11.52%	Touch Screen
6.10%	Others

Energy

37.08%	Lithium Battery
22.71%	Solar Energy
15.78%	Power Network
11.84%	Petroleum and Petrochemical
6.98%	Coal Industry
5.61%	Others

Visitor Analysis

INFORMATION AND COMMUNICATION EXPO

Visitor's Interest

Optical Communication Chip	15.10%
Optical Subassembly	13.97%
Optical Communication Device	10.79%
Optical Communication Module	10.20%
Optical Communication Transmission Equipment	7.60%
Optical Communication Data Center Equipment	5.85%
Wireless Optical Fiber Material	5.13%
Optical Fiber Cable / Fiber Sensing	5.01%
Semiconductor Equipment and Manufacturing	3.96%
Semiconductor Material	3.75%
Wireless Communication	3.73%
Broadcasting Communication Equipment	3.63%
Instrument	2.84%
Wire and Cable	2.67%
Wiring Product	2.41%
Wire and Cable Manufacturing Equipment	1.69%
Operation and Service	1.47%
Others	0.20%

Visitor Breakdown by Applications

Optical Communication, Information Processing & Storage	52.56%
Advanced Manufacturing with Photonics	12.61%
Semiconductor Processing / Manufacturing	11.33%
Consumer Electronics & Entertainment	8.66%
Sensing, Measurement	4.17%
Defense / Security	2.95%
Medical	2.81%
Energy	2.48%
Lighting & Displays	2.44%

PRECISION OPTICS EXPO & CAMERA EXPO

Visitor's Interest

Optical Lens	10.43%
Camera Module	9.77%
Optical Cold Processing Component	8.06%
Optical Material	7.36%
Optical Processing Equipment	5.99%
Optical Measuring Instrument	5.79%
Optical Coating Material	5.43%
Optical Imaging System	5.37%
AR/VR	5.30%
Machine Vision and Industrial Automation	4.87%
Optical Coating Equipment	4.73%
Mould Pressing / Injection Molded Optical Component	4.56%
Optical Film Component	4.47%
Camera	4.45%
Camera Manufacturing Equipment	4.13%
Sapphire Processing Application	4.03%
Endoscope and Accessories	2.87%
Camera Accessories	2.24%
Others	0.15%

Visitor Breakdown by Applications

Advanced Manufacturing with Photonics	27.72%
Consumer Electronics & Entertainment	26.17%
Optical Communication, Information Processing & Storage	13.18%
Semiconductor Processing / Manufacturing	11.05%
Defense / Security	7.29%
Medical	6.57%
Sensing, Measurement	3.52%
Lighting & Displays	2.29%
Energy	2.21%

LASERS TECHNOLOGY & INTELLIGENT MANUFACTURING EXPO

Visitor's Interest

Lasers	20.50%
Laser Equipment	18.88%
Laser Material and Component	16.32%
Robot and Industrial Automation	15.35%
Laser Component and Auxiliary System	10.65%
Mechanical System and Numerical Control System	8.32%
3C Electronic Intelligent Equipment	6.34%
3D Printing / Additive Manufacturing	3.26%
Others	0.38%

Visitor Breakdown by Applications

Advanced Manufacturing with Photonics	26.36%
Optical Communication, Information Processing & Storage	23.47%
Semiconductor Processing / Manufacturing	13.43%
Consumer Electronics & Entertainment	12.51%
Sensing, Measurement	6.73%
Medical	5.59%
Defense / Security	4.30%
Lighting & Displays	4.27%
Energy	3.35%

INTELLIGENT SENSING EXPO

Visitor's Interest

LiDAR	13.91%
3D Imaging and Sensing	11.81%
Industrial Sensor	10.69%
3D Camera	10.57%
MEMS and Sensor	10.05%
Testing and Manufacturing Equipment	9.58%
LiDAR Component	9.41%
LiDAR System and Solution	8.46%
Biometric	7.83%
Millimeter-Wave Radar	7.29%
Others	0.40%

Visitor Breakdown by Applications

Consumer Electronics & Entertainment	20.81%
Advanced Manufacturing with Photonics	17.21%
Sensing, Measurement	16.02%
Optical Communication, Information Processing & Storage	13.50%
Semiconductor Processing / Manufacturing	13.48%
Medical	5.60%
Defense / Security	5.26%
Lighting & Displays	4.25%
Energy	3.85%

DISPLAY TECHNOLOGY EXPO

Visitor's Interest

Display Manufacturing Equipment	27.49%
Display Panel / Module	27.15%
Display Material	23.80%
Terminal Display Product	20.32%
Others	1.24%

Visitor Breakdown by Applications

Semiconductor Processing / Manufacturing	22.29%
Lighting & Displays	19.56%
Advanced Manufacturing with Photonics	16.23%
Consumer Electronics & Entertainment	14.55%
Optical Communication, Information Processing & Storage	8.65%
Medical	7.09%
Sensing, Measurement	4.22%
Defense / Security	4.19%
Energy	3.22%

INFRARED APPLICATIONS EXPO

Visitor's Interest

Infrared Equipment and Imaging	21.74%
Infrared Component	19.09%
Infrared Material	18.14%
Testing and Manufacturing Equipment	15.47%
Millimeter-Wave Technology and Application	10.81%
UV Technology and Application	7.22%
Terahertz Monitoring and Imaging	7.09%
Others	0.44%

Visitor Breakdown by Applications

Defense / Security	24.65%
Consumer Electronics & Entertainment	19.05%
Advanced Manufacturing with Photonics	17.23%
Semiconductor Processing / Manufacturing	12.33%
Energy	8.23%
Optical Communication, Information Processing & Storage	6.01%
Sensing, Measurement	5.87%
Medical	3.74%
Lighting & Displays	2.89%

PHOTONICS INNOVATION EXPO

Visitor's Interest

Scientific Research Institution	28.19%
High-tech Enterprise	21.86%
Professional Proficient Special New Enterprise	21.20%
College and University	15.33%
Incubator	12.54%
Others	0.88%

Visitor Breakdown by Applications

Optical Communication, Information Processing & Storage	27.55%
Semiconductor Processing / Manufacturing	16.36%
Advanced Manufacturing with Photonics	15.72%
Consumer Electronics & Entertainment	11.21%
Lighting & Displays	7.70%
Medical	6.84%
Sensing, Measurement	6.66%
Defense / Security	4.01%
Energy	3.96%

CHINA INTERNATIONAL
OPTOELECTRONIC
CONFERENCE

About CIOEC

The concurrent China International Optoelectronic Conference (CIOEC) focuses on academic, industrial and application hot topics for information and communication, optics, laser, infrared, and various emerging application fields. Industry experts, leading companies, scholars gather to have an in-depth communication and discussion on the latest technologies and research directions, hot spots, and market trends in the optoelectronic industry.

80+ Forums

600+ Speakers

600+ Presentations

10,000+ Attendees

2024 Tentative Topics

Information and Communication Industry Forums

-Optical Transmission Technology Development in the Era of Computing Power
-100G Optical Access Technology Development
-Optical Technology Evolution Trend in Intelligent Computing Centers
-Optoelectronic Chip Design, Manufacturing, and Packaging Technology

Optics Industry Forums

-Ultra-precision and Micro-nano Optical Device Manufacturing Technology
-Advanced Optical Inspection Technology
-Medical Endoscope Imaging Industry Development
-Optics Vacuum Coating

Infrared Industry Forums

-Advanced Infrared Materials and Devices
-Application of Infrared Technology in Power System
-Infrared Thermal Detection and Visual Inspection in Industrial Application

Laser Industry Forums

-Advanced Laser Technology Facilitating the Localization of Semiconductors
-Laser Technology Enabling Medical Development
-Laser Technology Enabling New Energy Development
-Laser Micro-nano Processing and Manufacturing Technology

Optoelectronic + Application Forum

To explore the application of optoelectronic technology in various fields such as intelligent automotive, AR/VR, security, smart home, mobile robotics, 3D vision, warehouse logistics, and sensors, the forums will focus on the hottest topics covering “Optoelectronic + Automotive/Consumer Electronics", " Optoelectronic + Manufacturing" and " Optoelectronic + Vision".

International Forums

CIOE will co-host with the international authoritative consulting corporation Yole Group for theme forms, looking into the development direction of global market and forecasting the future trends. Besides, CIOE will jointly collaborate with international institutions such as ePIXfab, and EPIC to discuss latest innovative photonics technology and breakthrough.

Optoelectronics Global Conference (OGC)

Optoelectronics Global Conference (OGC), concurrently held at CIOE, is the first global optoelectronic academic conference in Asia under the IEEE. It covers themes on the industries of optics, optical communications, laser, infrared, optical fiber sensing, etc.

Year-round Value-added Services

Precise Marketing with Big Data

CIOE has a vast database of millions of buyer categorized into nine application fields including communications, manufacturing, consumer electronics, security, medical, semiconductors, energy, sensing, lighting and display.

Channels not limited to: Official Website, E-newsletter, LinkedIn, Facebook, X (Formerly Twitter), Wechat, on-site ads, Visitor Guide and a multi-dimensional marketing matrix of 160+ media partners.

Premium Business Matchmaking

CIOE collects buyers' procurement demand and provides one-to-one business matchmaking by recommending matchable exhibitor and product list. Furthermore, CIOE will pre-schedule the private meeting for on-site business negotiation and offer exhibitor/product search service to facilitate efficient procurement connections.

Collaboration with Associations

By integrating resources from various parties and maintaining friendly cooperation with industry associations, we collaborate through activities such as delegation visits, business matchmakings, and concurrent co-hosted forums to promote rapid industry development. This collaboration facilitates deeper communication and cooperation among industry professionals.

THE 25TH CHINA INTERNATIONAL OPTOELECTRONIC EXPOSITION(CIOE 2024)

FLOOR PLAN

CONTACT US

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CIOE E-Newsletter

#CIOE2024