

<<<<

HITRONICS TECHNOLOGIES

// Facility Based In Fuzhou



Company Facts

- ◆ Established in 2016
- ◆ Facility Size: 250,000 sq.ft.
- ◆ Employees: 800+

Compliance

- ◆ Dodd-Frank Act (conflict minerals)
- ◆ RoHS (Restriction of Hazardous Substances)
- ◆ REACH (Registration, Evaluation, Authorization, and Restriction of Chemical Substances)

Registered

- ◆ ISO 9001:2015 certificated
- ◆ AS9100 D certificated.
- ◆ ISO14000/OHSAS18000 certificated.
- ◆ Certificating by IATF16949.

// Serve Our Customers Globally



// Applications

Telecom ●

Industrial Laser ●



● Lidar

● Medical & Others

// Product Portfolio



**Cylindrical
Lens**



**Aspherical
& Spherical
Lens**



**FAC & SAC
Lens**



Mirror



Beam Splitter



Filter



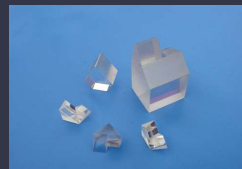
Waveplate



**Crystal
Process**



Etalon



**Prism
& Assembly**



**Fiber
Collimator**



WDM Device



**Free Space
Isolator**



**In-line
Isolator/Circulator**



**High Power
Fiber Laser
Isolator**



**Fiber Laser
Isolator**



**905nm
Collimator**



**1550nm Laser
Module**



Lens



**TO Packaged
APD Module**



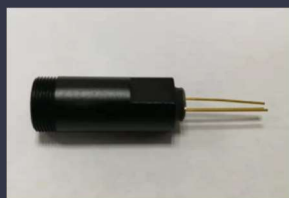
**Low-light
Detector Module**



Hitronics' Capability For LiDAR

Products for Typical LiDAR System

TX MODULE



Mirror



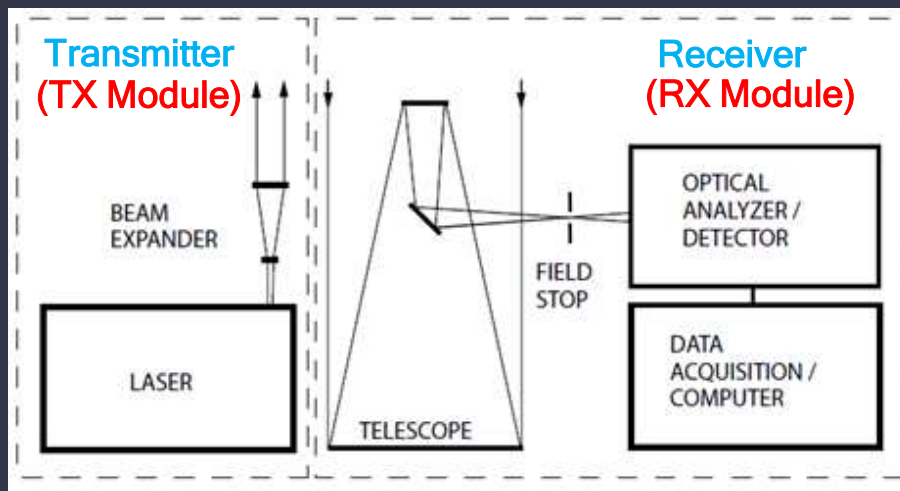
RX MODULE



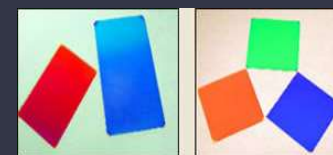
High Power Collimator



LD Collimator



Lidar Optical System



Filter



Prism



Cylinder-Spherical lens



1550nm Laser



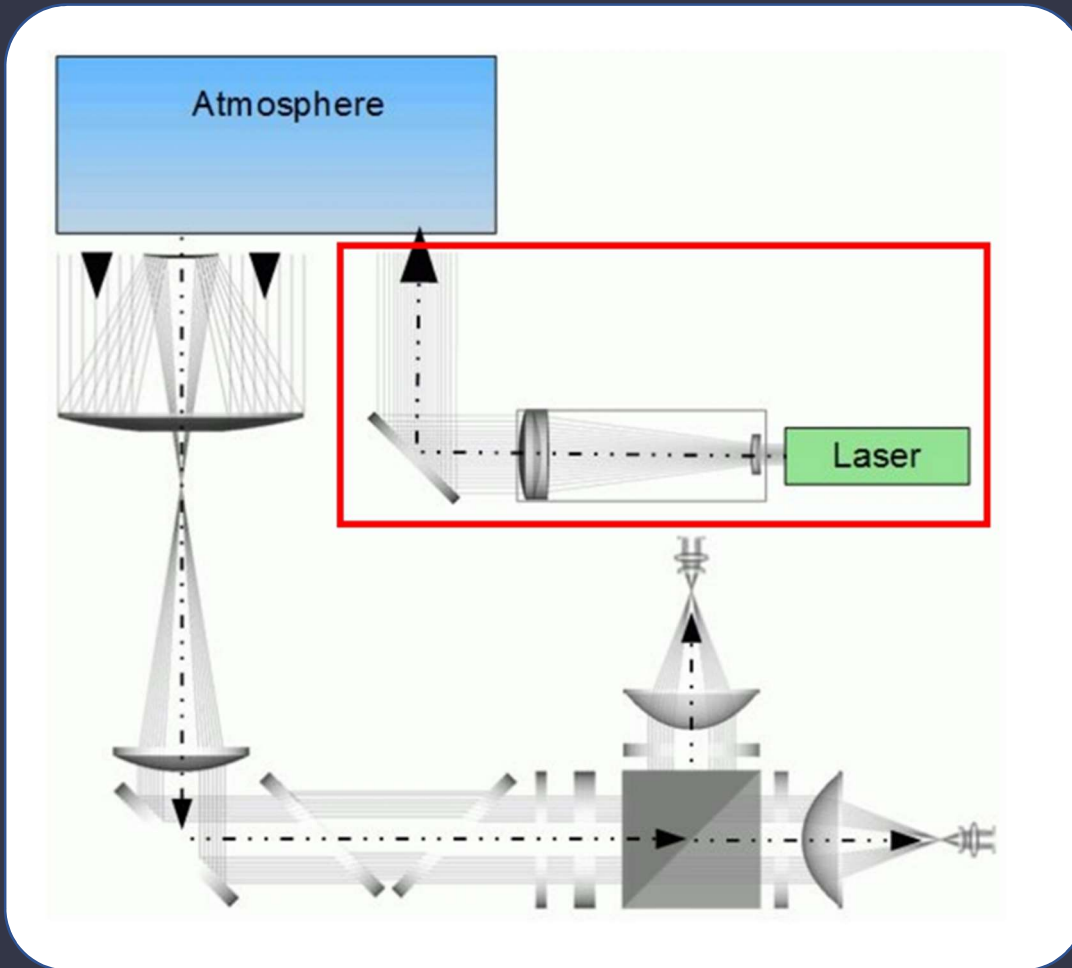
Spherical/Aspherical Lens



Cylinder lens

// Laser Emitter and Steering

O p t i c s



- 1550nm Laser Module
- 905nm Laser Module
- FAC, SAC for 905nm Laser Collimating
- Beam Expander
- High-power Collimator
- Windows
- Mirrors
- Customized Prism
- TX Module

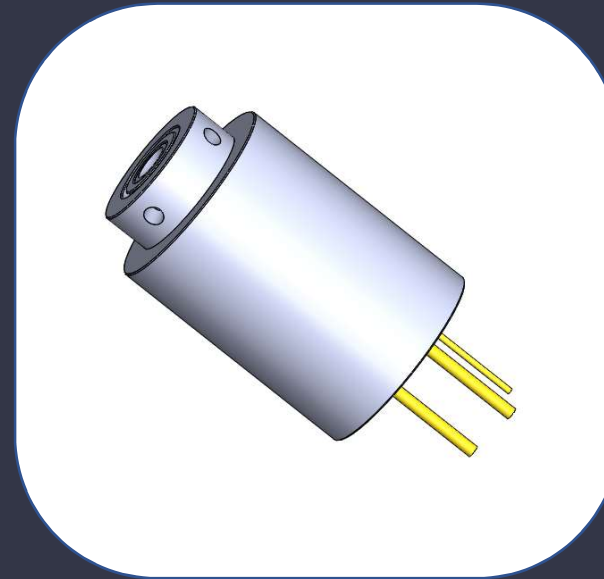
// High Power 1550nm L a s e r



Design1: Fiber MOPA system

Feature of Design1:

- All fiber structure
- Low power consumption
- High output power
- Optional pulse width/repetition

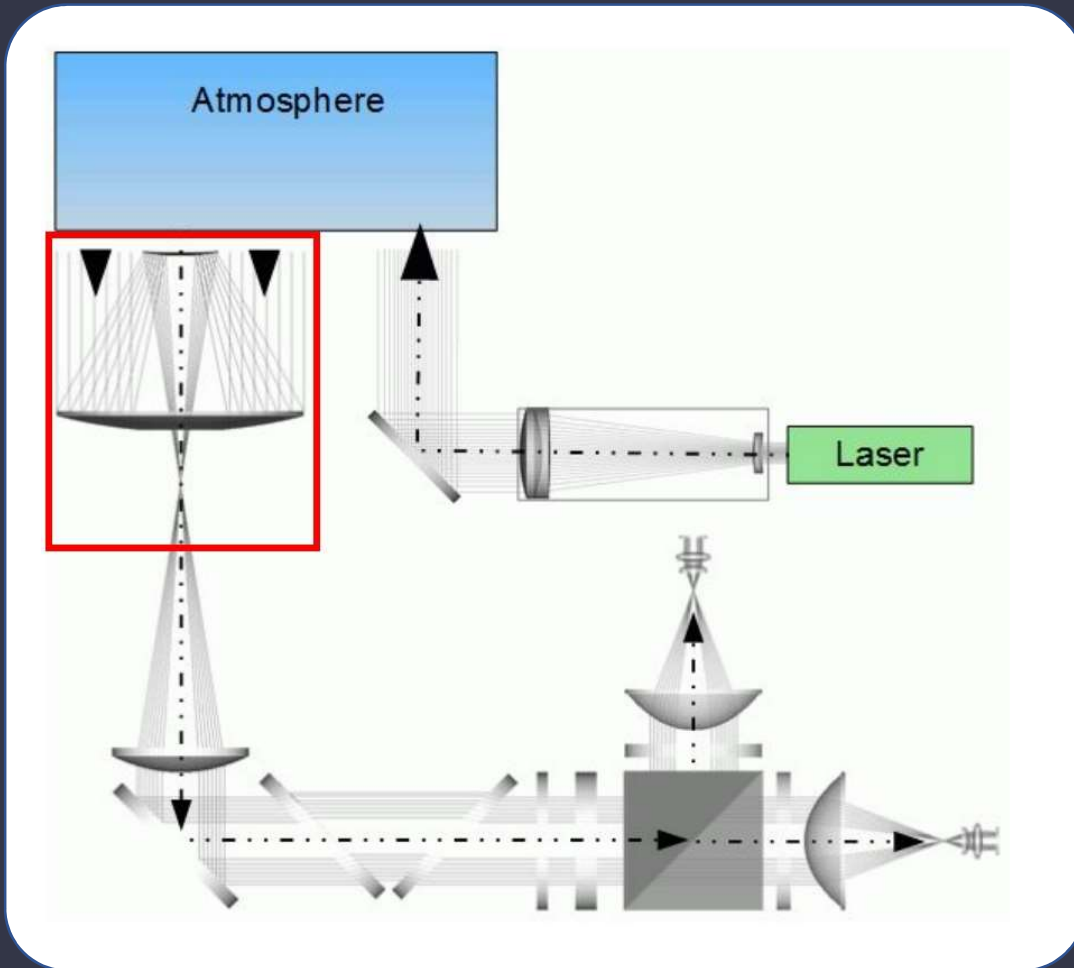


Design2: passive Q-switched laser

Feature of Design2:

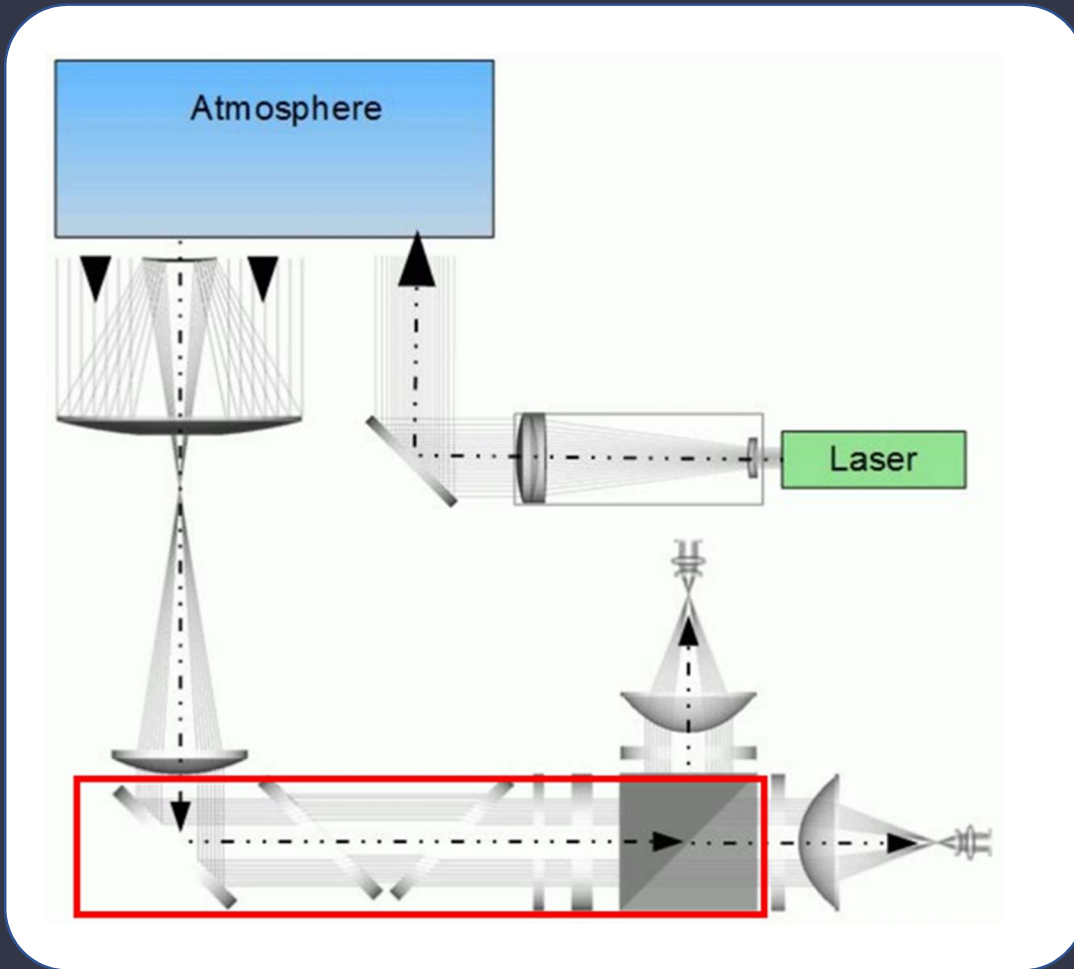
- Eye-safe wavelength
- Higher peak power
- High pulse energy
- compact size

// Receiving Optics - F r o n t



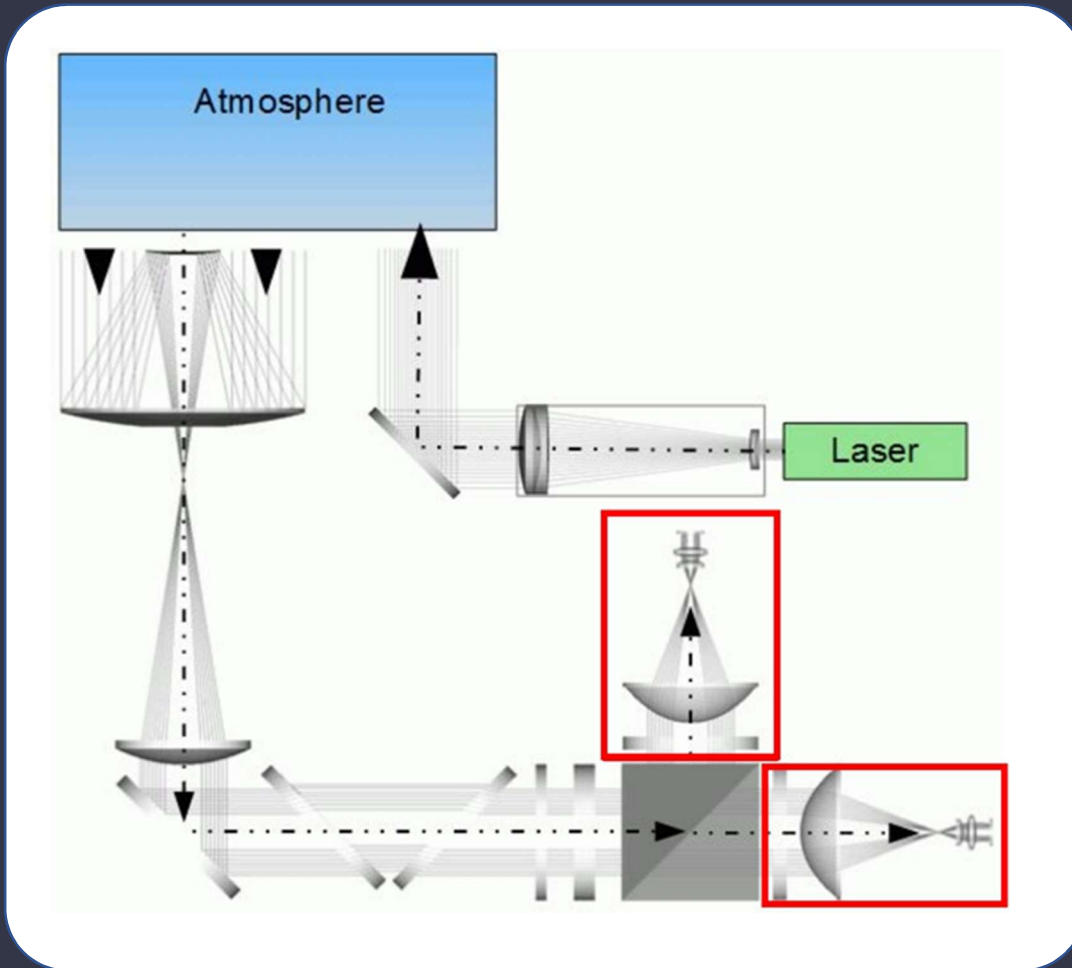
- Optical Mechanical Assembly
- Aspherical lens
- Spherical lens
- Cylindrical lens
- Cylindrical+Spherical lens
- Windows

// Receiving Optics - I n s i d e



- Lens Assembly
- Prism
- Beam splitter
- Filters
- Mirror

// Receiving Optics - Detection



- APD Module (Photodiode)
- Eyepiece D-shape lens
- RX Module

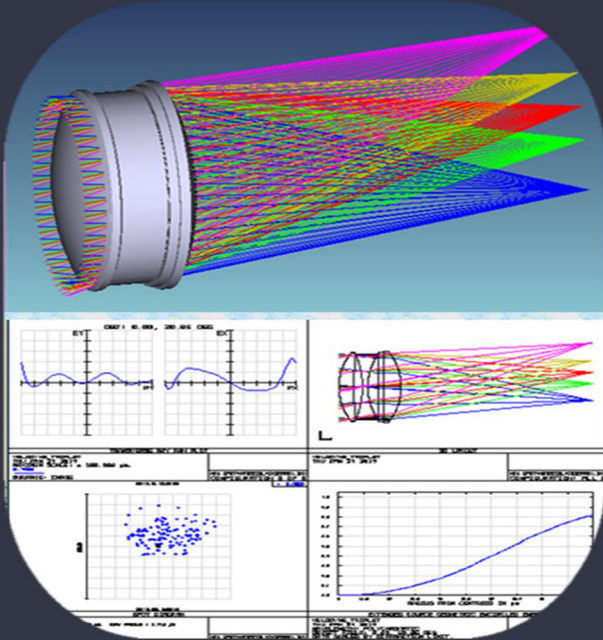


LiDAR Optics

// Optics for Lidar



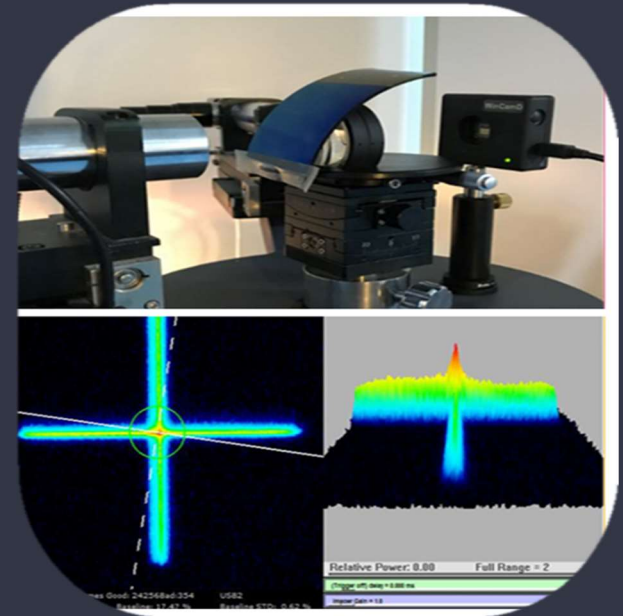
// LiDAR Lens and Assembly



Lens Design



Lens Assembly



Measurement

// Lens Design

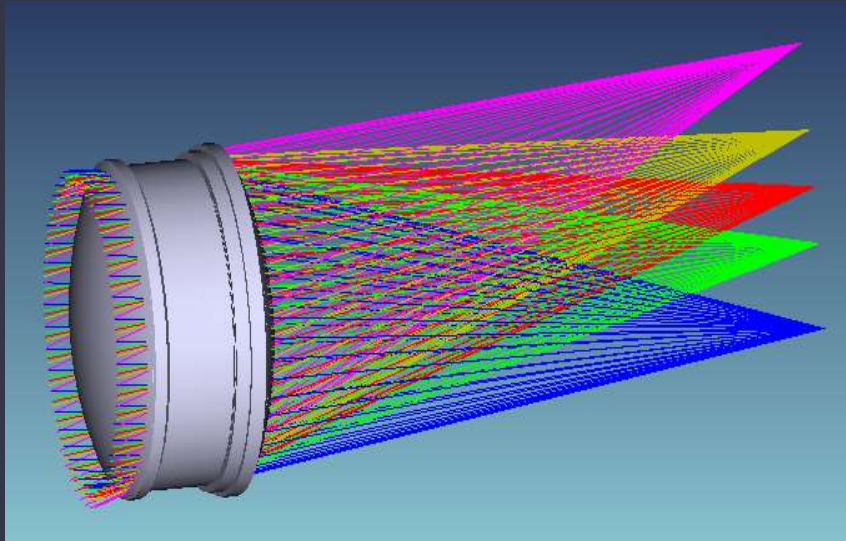
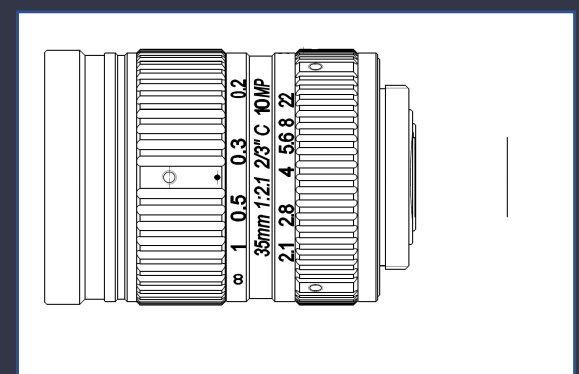
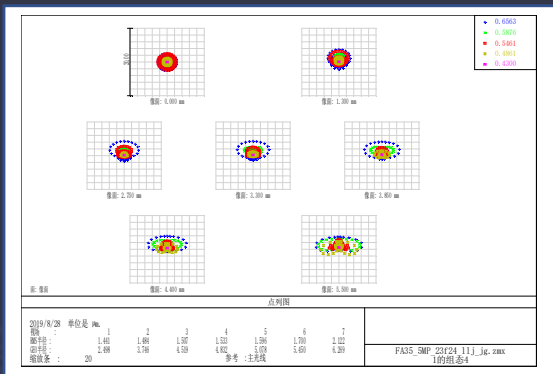
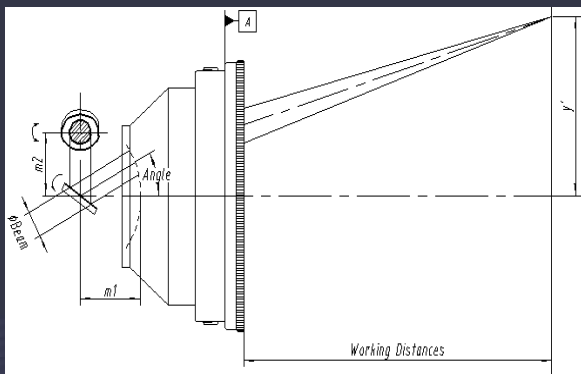
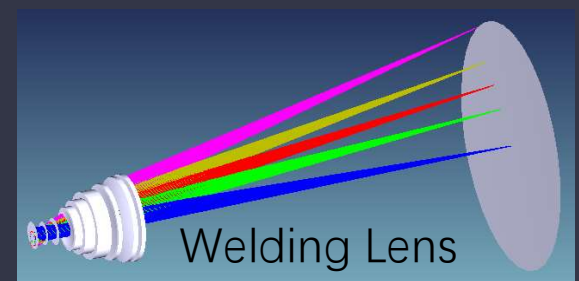
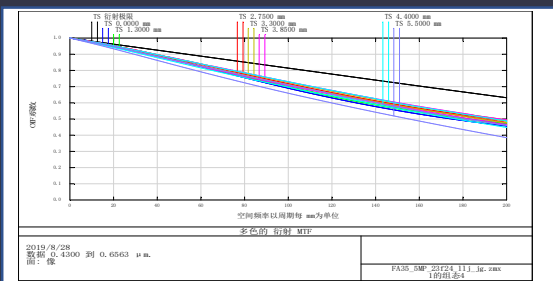
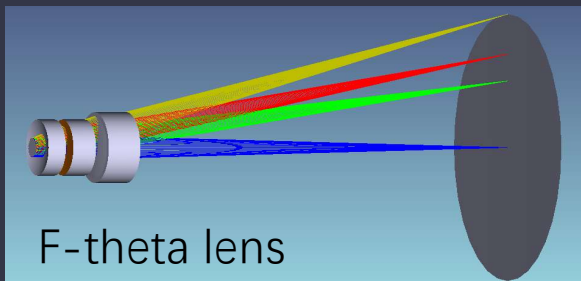
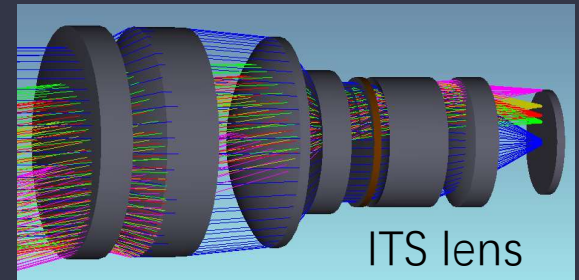
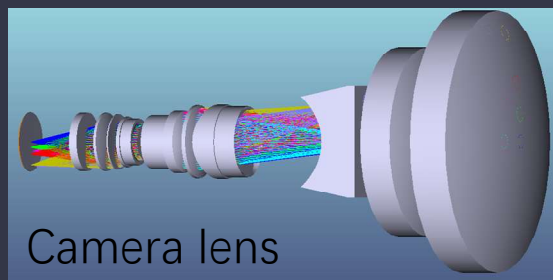
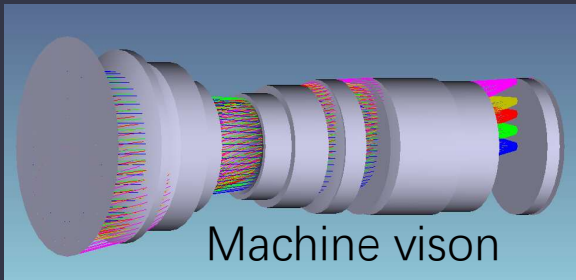


Image System	CCTV Lens
	ITS. Lens
	Machine Vision
Non-imaging system	LiDAR
	Collimating Lens
	Micro Lens

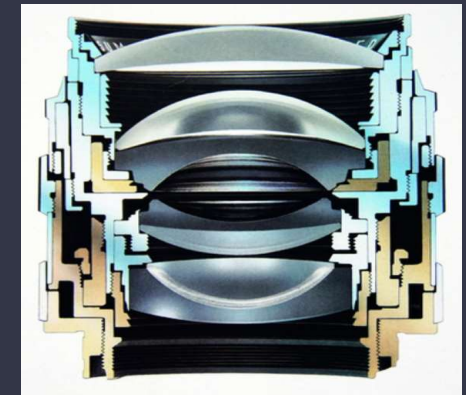
- Hitronics has strong R&D and regular production management team, currently employing 800 people, more than 30 R&D engineers.
- Be familiar with all kinds of optical design and machine design, with rich experience in developing image system and non-image system.
- The following table shows that what kinds of lens are we good at designing.

// Lens Design



// L e n s A s s e m b l y

- New Lens Assembly Workshop 10K, and 1000 Class Clean Room



// Lens



Welding Lens



F-theta lens



NIR lens



ITS lens



Machine vision

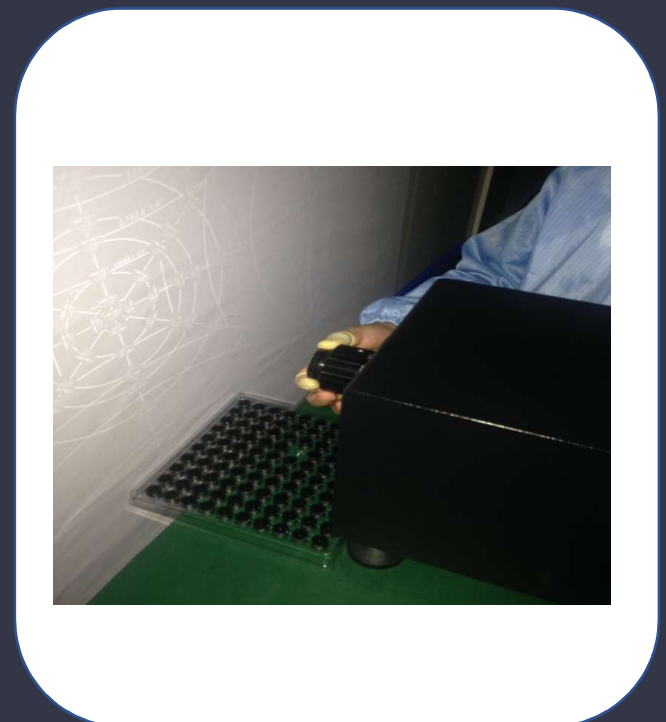
// Inspection Equipment



Trioptics Image-Maste MTF Measure



Trioptics Optispheric Centering 100



Optical Projector

// Inspection Equipment



Olympus KIF-202L Laser Interferometer for Spherical Lens



ZYGO GPI XP/D for measurement of cylindrical lenses



Accura III3020 Auto Video Measuring Machine for complex shapes



UV-3600 UV-VIS-NIR Spectrophotometer
Measurement wavelength range of 185 - 3300 nm



Surface Quality Control Per Mil-013830A/ISO10110/DIN3140



Perkin-Elmer Lambda 900 Spectrometer & Varian Cary 500 Spectrometer



Massive production Line





YOUR OPTICS SOLUTION

Headquarter 总部

Address 地址:

No.1-1 Nan Bian Rd.Minhou Ganzhe Economic&Technology Development ZoneFuzhou Fujian
350100, China

福建省福州市闽侯经济技术开发区二期南边路1-1号

Tel 电话: 86-591-38265888

Email 邮箱: sales@hi-tronics.com

Fax 传真:86-591-38265838

Shenzhen Site 深圳分公司

Address 地址:

No. 88 North Jiaoyu Road, Pingdi, Longgang District, Shenzhen, China 518117
中国深圳龙岗区坪地镇教育北路88号

Tel 电话: 86-591-22193853

Email 邮箱: sales@hi-tronics.com

Sales Office Europe 欧洲销售办事处

Address 地址:

Wilhelmstrasse 115, 64625 Bensheim, Germany

Tel 电话: +49-6251-8528950

Email 邮箱: sales@hi-tronics.com

US Site 美国分公司

Address 地址:

1551 McCarthy Blvd, Ste.#116Milpitas, CA 95035

Tel 电话: +1-408-7916352

Email 邮箱: sales@hi-tronics.com