Product Information

Product Description:

gavlo scanner wholesales china, Carmanhaas has high end 2D laser scanning galvanometer, 3D laser scanning galvanometer, high power laser welding galvanometer, beauty galvanometer and laser cleaning solution.

Carmanhaas 2-axis Galvanometer Scanner Head including High Speed (A Series) and Standard Series, are designed for a board range of application including laser precision marking, laser cutting, laser welding, rapid prototyping, 3D printing, drilling location, laser cleaning, medical beauty and so on.

Features:

- 1.Aperture: 7mm, 10mm, 12mm, 14mm, 16mm, 20mm, 30mm
- 2.Good degree of Linearity, high resolution small drift, precise repetitive positioning
- 3. Highest processing speeds in the industry to maximize production throughput□
- 4. High-accuracy & high-stability models available for precise scanning applications□
- 5. Wide range of cost-efficient, high-performance options for specific applications.

Product Details



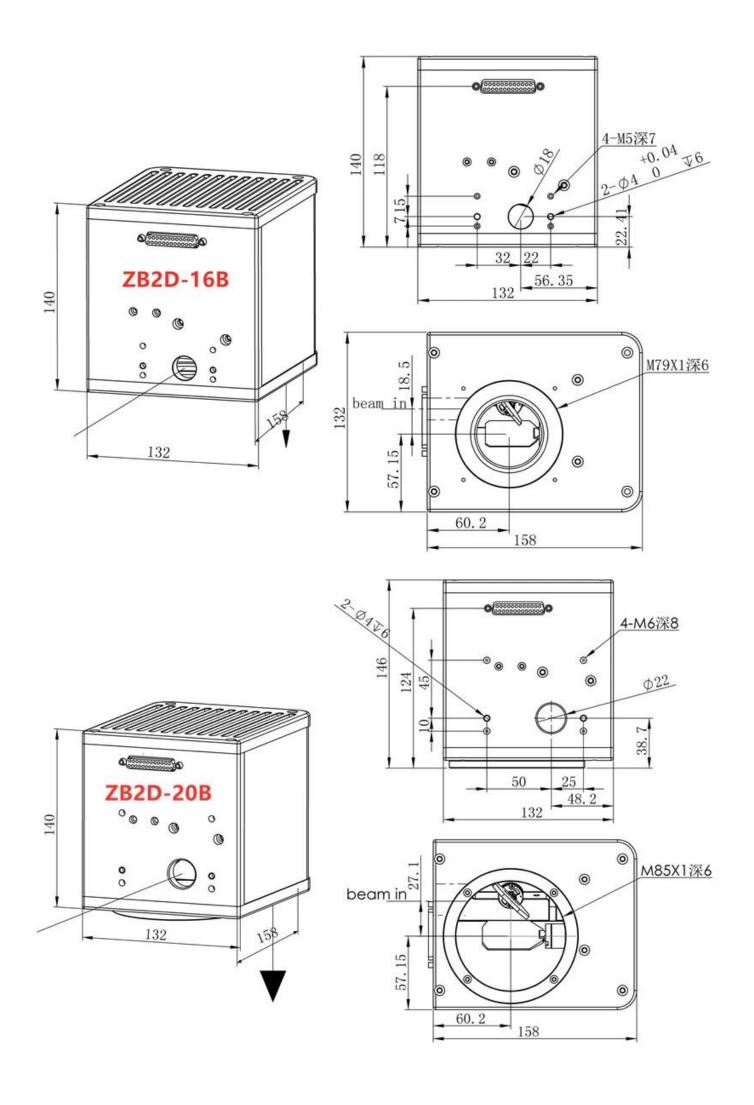


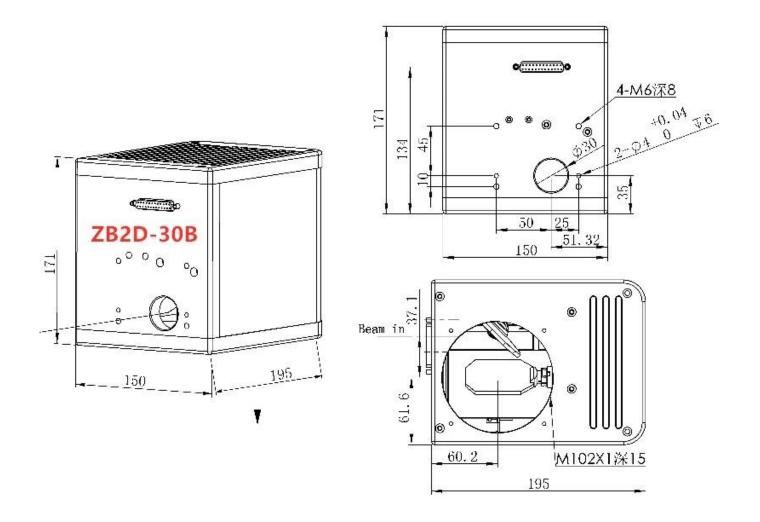


Technical Parameters:

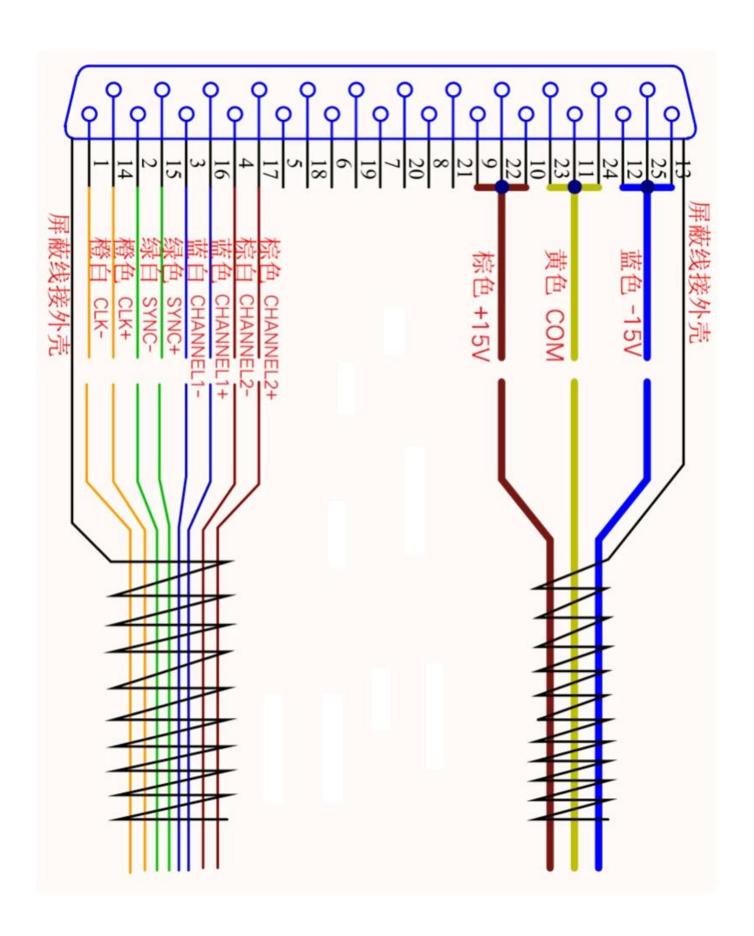
Model	ZB2D-16B	ZB2D-20B	ZB2D-30B	
Aperture (mm)	16	20	30	
Typical scan angle	±0.35 rad	±0.35 rad	±0.35 rad	
Nonlinearity	<0.5 mrad	<0.5 mrad	<0.5 mrad	
Tracking error	0.3ms	0.5ms	0.7ms	
Step Response Time	<0.65ms	8=1	-	
Repeatability	<15 urad	<15 urad	<15 urad	
Gain drift	<50 ppm/K	<30 ppm/K	<30 ppm/K	
Zero drift	<30 urad/K	<15 urad/K	<15 urad/K	
Long-term drift over 8hours (After 30 min warn- up)	<0.1 mrad	<0.05 mrad	<0.05 mrad	
Marking speed	1.0m/s	1.0m/s	0.5m/s	
Positioning speed	7m/s	4m/s	2m/s	
Power requirements	±15VDC Max.5A	±15VDC Max.5A	±15VDC Max.5A	
Digital Signal	XY2-100 or SPI	XY2-100 or SPI	XY2-100 or SPI	
Analog Signal	±5V	±5V	±5V	
Reflection wavelength	10600nm(10.6um) 9300nm(9.3um) 1064nm	10600nm(10.6um) 9300nm(9.3um) 1064nm	10600nm(10.6um) 9300nm(9.3um) 1064nm	
Operating temperature	25℃±10℃	25℃±10℃	25℃±10℃	

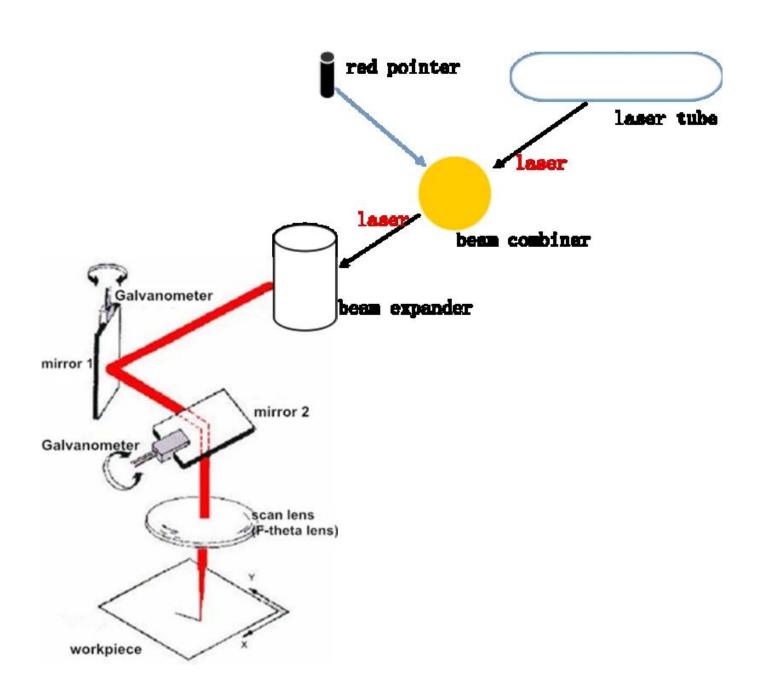
Mechanical Dimensions(mm)





Electrical interface definition:







ZnSe F-theta Scan Lens

ZnSe Beam Expander 2X, 3X, 106um







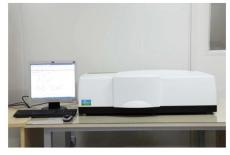








TRIOPTICS OptiSpheric 2000 AF
---Testing EFL、R、Centering Error、Wedge Angle、BFL、MTF



PerkinElmer Lambda 950---Testing Transmission and Reflectivity



Carmanhaas Coating Machine

Certificate&Exhibition



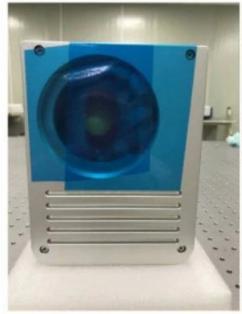






Packing List

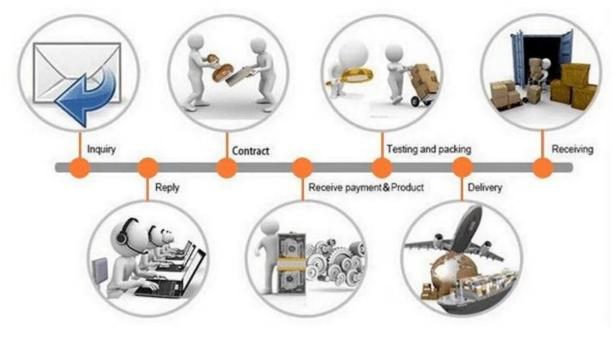
Packaging & Shipping













- Should returns be required:
- Step 1) Contact us with this website email.
- Step 2) Provide as much detail as possible about the problem you are having.
- Step 3) Authorization to return the item will be issued.
- Step 4) Return the item for the agreed replacement or refund.

Logistics:

- (1) For Laser Optics order delivery, can be optional with DHL, UPS, FedEx, TNT, EMS etc
- (2)For Laser machine order delivery, can be optional with terms of EXWork, FOB, CNF, CIF By Air or by Sea based on the buyer's forwar ders or ours.

FAQ

- Q1.Are you a manufacturer?
- A1: Yes, we are professional and experienced manufacturer with our own molds and production lines.
- Q2. How about quality of products?
- A2: Our technicians and QC teams test the products one by one using aging line, professional devices and instruments to ensure the quality for all products.
- Q3. How about price?
- A3: We are a manufacturer and always offer our customers the most competitive prices.
- Q4. How to place an order?
- A4: Contact with online service, or sent email to us directly, we will reply to you with product price, specifications, packing etc. soon. Thank you.
- Q5.May I send material to test marking performance?
- A5: Yes! You are welcome to send material to test our superior quality and service.
- Q6.Can I visit your factory?
- A6: Yes, welcome to visit our factory at your convenient time.
- O7. How can I make OEM or ODM orders?
- A7: We have different print processing for different OEM/ODM orders. Please contact us with online service or send email to us directly.
- Q8. How should I pay for my orders?
- A8: You can pay by T/T would be available for qualified bank and MOQ required for each order.