Transfer

Epic Eye Laser L

Industrial 3D Camera

Ideal for imaging of complex applications, offering high stability and strong adaptability

Stable&Reliable | Easy-to-Use | High Flexibility | Stable Imaging | Efficient Production Ramp-up

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Camera Advantages

High Precision, Large FOV
Suitable for more medium to long-distance industrial production scenarios

Easily Recognize Black Reflective Objects
Self-developed algorithms solve the challenge of 3D reconstruction for black objects

Outstanding Anti-Light Interference
Maintain high-quality imaging even under 120,000 lux of strong light interference

Superior HDR
Support high-quality imaging with a single exposure for objects with varying brightness and colors

High-Quality Point Cloud Imaging
The Laser L delivers high-quality imaging at 3-meter height

Dust and Water Protection (IP65)
Easily flexible to complex factory environments with dust, humidity, and other challenging conditions

Camera Parameters

Baseline/mm	400	
Working distance/mm	1200-3000	
Near FOV/mm	1260×1240@1.2m	
Far FOV/mm	3220×2950@3m	
Megapixels	3 MPs	
Precision/mm ①	0.32@2.4m*	0.08@2.4m**
Accuracy error ②	<0.15%	
Typical capturing time/s ③	0.9s~2.4s	
Power supply	24V/5A	

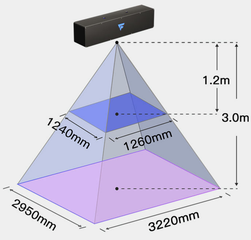
Dimensions/mm	495×115×100
Communication interface	Ethernet
Light source	Blue (450nm) Laser
2D camera	Black and white
Operating temperature	-10~45℃
Operating humidity	20%~90%RH non-condensing
Storage	-20~70℃, 20%~90%RH non-condensing
IP rate	IP65
Cooling	Passive

Remarks : ①.Z-Direction Single-Point Precision: Standard deviation of 100 measurements of the Z-value taken at the same point on a standard gauge block.
*Area Precision: Standard deviation of 100 measurements of the difference between averaged Z-values from two distinct plane areas on a standard gauge block; **VDI/VDE Measurement Precision.
②.Accuracy Error: Ratio of the difference between the measured value and ground truth of the distance from the ball bar's center to the ground truth.
③.Typical Imaging Time: The sum of image acquisition time,computation time, and network communication time required for geneerating single-frame point cloud.

Industries

Chemicals | Food | Automotive | Home Appliance | Logistics&Warehousing | Metallurgy&Casting

FOV mm



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