



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	Dimensions/mm	495 × 115 × 100
Working distance/mm	1200-3000	Communication interface	Ethernet
Near FOV/mm	1260 × 1240 @ 1.2m	Light source	Blue (450nm) Laser
Far FOV/mm	3220 × 2950 @ 3m	2D camera	Black and white
Megapixels	3 MPs	Operating temperature	-10~45°C
Precision/mm ^①	0.32@2.4m* 0.08@2.4m**	Operating humidity	20%~90%RH non-condensing
Accuracy error ^②	<0.15%	Storage	-20~70°C, 20%~90%RH non-condensing
Typical capturing time/s ^③	0.9s~2.4s	IP rate	IP65
Power supply	24V/5A	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 generating single-frame point cloud.

Industries



Chemicals



Food



Automotive



Home Appliance



Logistics&Warehousing



Metallurgy&Casting

FOV mm

