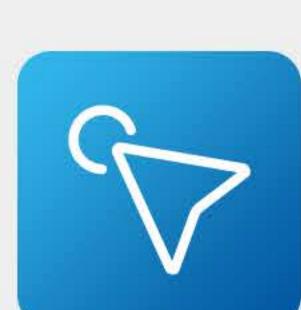# Epic Eye Pixel Welding Industrial 3D Camera
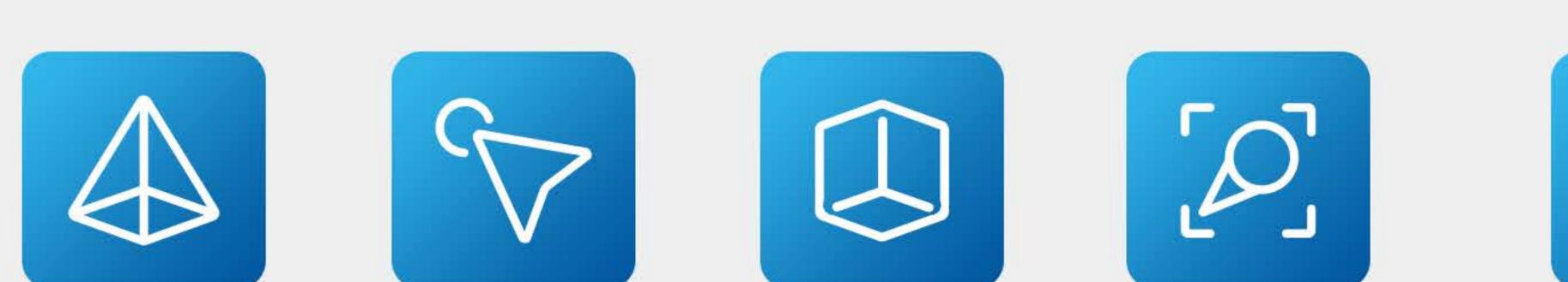
DLP Monocular Structured Light 3D Camera for Welding Applications

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

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Epic Eye Pixel Welding Industrial 3D Camera
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Camera Advantages

Medium FOV, High Precision
Suitable for imaging and locating for objects in the working distance of 300~700mm

Support SDK
SDK supports Python, C++, and C# on Linux and Windows

Smaller, Lighter
Small size, light weight, and low average power consumption

Objects
Suitable for recognition, positioning, and 3D model reconstruction of small-to medium-sized objects

Scenarios
Suitable for eye-in-hand applications for location and recognition

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

Camera Parameters

Parameter	Value	Parameter	Value
Baseline/mm	85	Power supply	24V DC，2.5A
Working distance/mm	300-700	Communication interface	Ethernet
Near FOV/mm	295*175@0.3m	Light source	LED
Far FOV/mm	670*390@0.7m	2D camera	Black and white
Megapixels	1.6 MPs	Operating temperature	0~50°C
VDI/VDE measurement accuracy	0.1mm@0.5m	Operating humidity	20%~90%RH non-condensing
Typical capturing time/s	0.2-0.7	Storage	-20~70°C, 20%~90%RH non-condensing
Dimensions/mm	130*71.5*79.5		
Weight/kg	1.01	IP rate	IP65
		Cooling	Passive

Industries

Chemicals	Food	Automotive
Home Appliance	Logistics&Warehousing	Metallurgy&Casting

FOV（mm）

0.3m
0.7m
175mm
295mm
390mm
670mm