



Industrial 3D Camera

# Epic Eye Pixel Welding / Welding Color

Monocular Structured Light Camera | Ideal for Eye-in-Hand  
Welding Applications



**4.5W**

**Average Power  
Consumption**

Energy-Efficient, Green &  
High-Efficiency



**0.2s**

**Instant Capture**

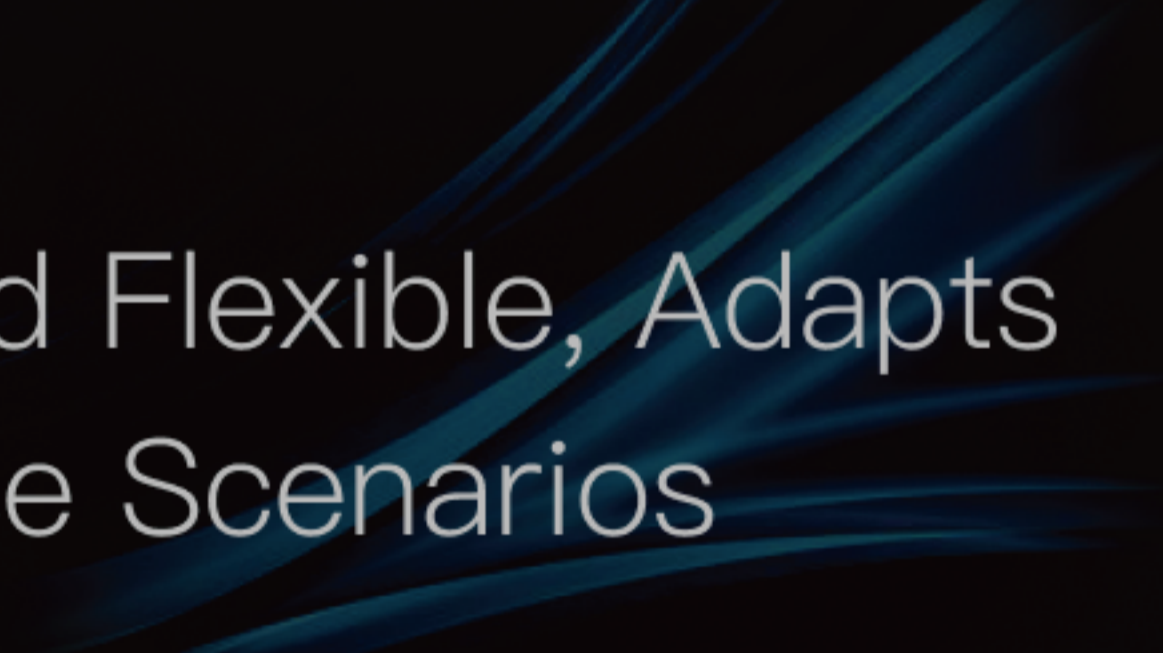
Lightning-Speed Boost in  
Production Efficiency



**1.01KG**

**Compact Design**

Small and Flexible, Adapts  
to Diverse Scenarios



## Smart Vision, Dust-Free Imaging

0.3 Seconds Quick Open/Close, Accurately Captures Every  
Frame, Accelerating Millisecond-Level Inspection Tasks



Reliable & Stable



Easy-to-Use



Highly Versatile



Fast Capturing

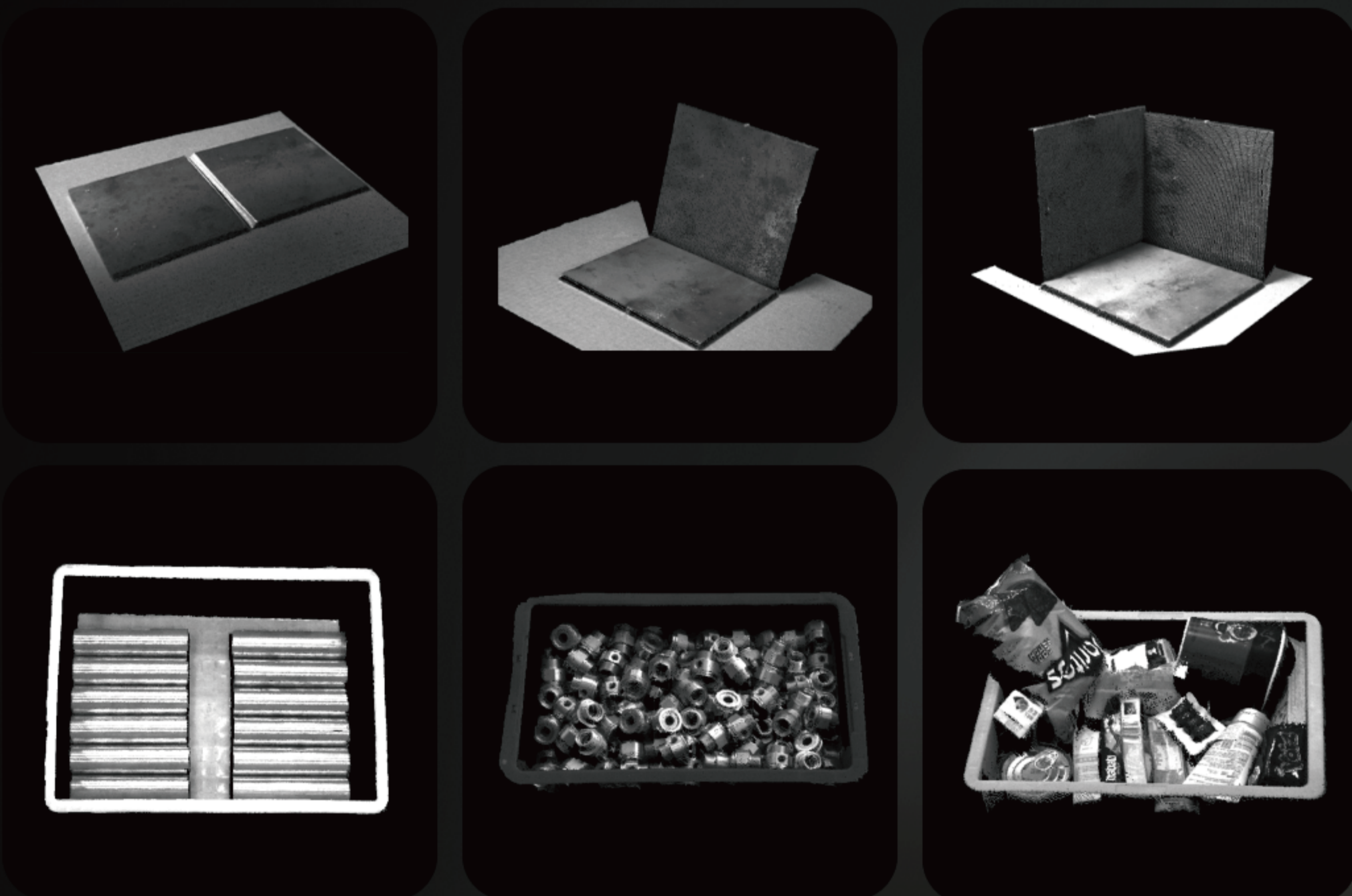


Compact

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Monocular Structured Light Camera

## Point Cloud

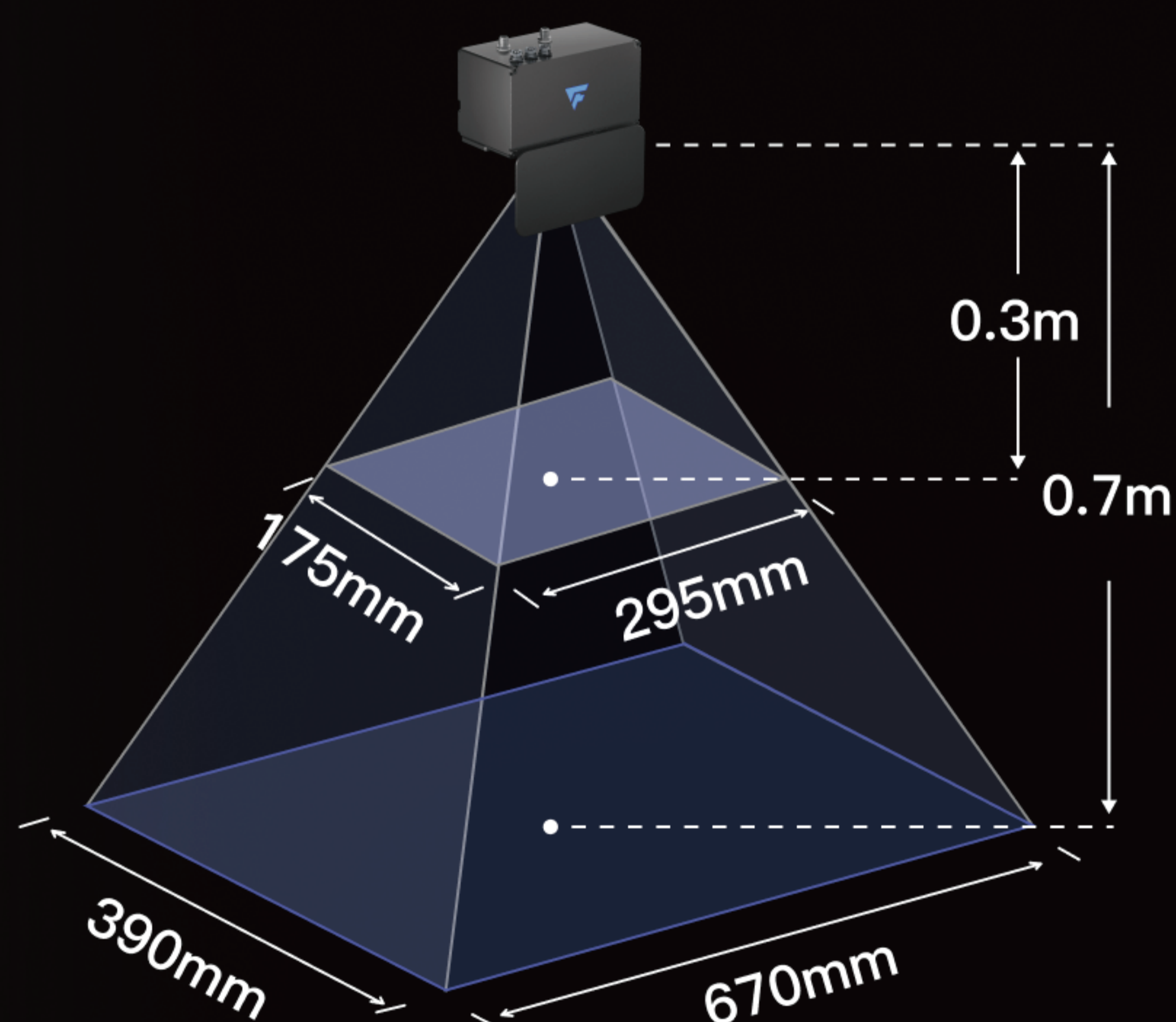


## Camera Parameters

Baseline	85mm
Recommended Working Distance	300–700mm
Optimal Working Distance	500mm
Near FOV	295mm*175mm@0.3m
Far FOV	670mm*390mm@0.7m
VDI/VDE Measurement Accuracy	0.1mm@0.5m
Point Z-Value Repeatability	0.03mm@0.5m
Megapixels	2.3MP
Resolution	1920*1200
Typical Capture Time	0.2s–0.7s
Power Supply	24V ± 2.5A
Average Power Consumption	4.5W
Standby Power Consumption	2.5W
Dimensions (L*W*H)	130*71*79mm
Installation Method	Fixed Installation / End-Effector Installation
Communication Interface	Ethernet
Light Source	Blue LED (440nm)/White LED
2D Camera	Monochrome/Color
Operating Temperature	0 – 50°C
Operating Humidity	20% – 90%RH Non-condensing
IP Rating	IP65
Cooling	Passive
Weight	1.01kg
Storage Temperature	–20 – 70°C
Storage Humidity	20% – 90% RH Non-condensing

## Working Field of View

Focused on Details, Precise Imaging



**Beijing Transfer Technology Co., LTD**

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