

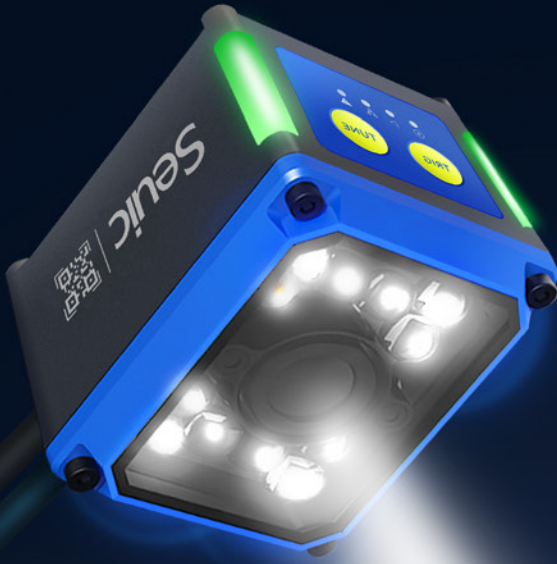
Seuic

ALL-NEW

X4 AI

Industrial Vision Fixed Reader

AI-enabled, Plug-and-Play



AI-Decoded



X4 AI

Industrial Vision Fixed Reader

X4 AI industrial vision fixed reader, powered by a new AI chip and algorithms, easily handles blurred, distorted, and low-contrast codes. With AI-driven auto exposure adjustment, no debugging is required — plug & play.



Superior Decoding Performance

Equipped with a next-generation AI chip, effortlessly handles complex barcodes

Dot Peen Code with Inconsistent Colors



Dot peen code on PCB

Barcode with Complex Background



Reflective camouflage plastic

~10% Low-Contrast Barcode



Low-contrast plastic

Engraved Code on Metal Curve



Curved metal surface

AI

AI-enabled, Plug-and-Play

AI-powered auto lock & decode — zero debugging, instant deployment

Instant Read



Power on

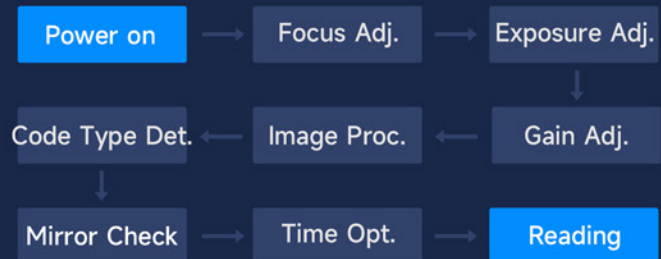


Reading

X4 AI Debugging Process



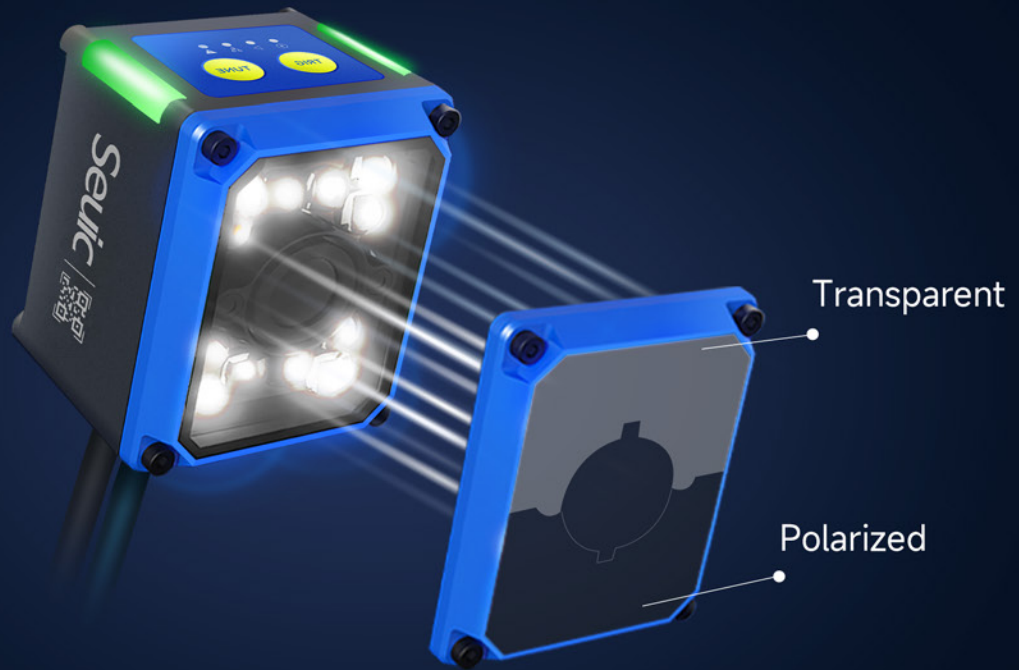
Multi-step Setup



Traditional Scanner Debugging Process

Adaptable to Various Scenarios

Easily reads low-contrast and reflective barcodes with semi-polarized design



Effect Demos

- Highly reflective metal code



Real image



Captured image



Decoded successfully

- Low-contrast code (high exposure needed)



Real image



Captured image

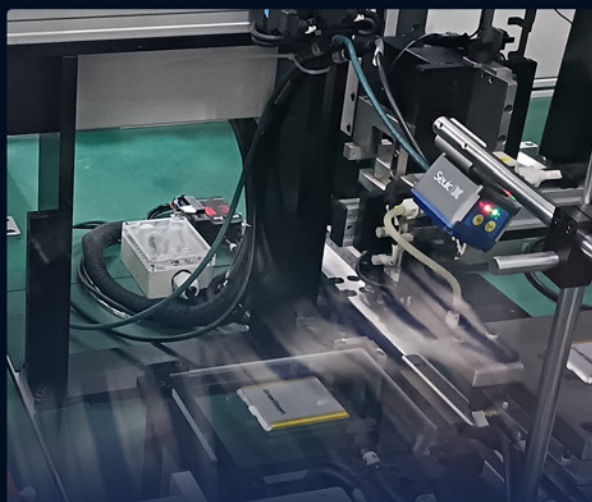


Decoded successfully

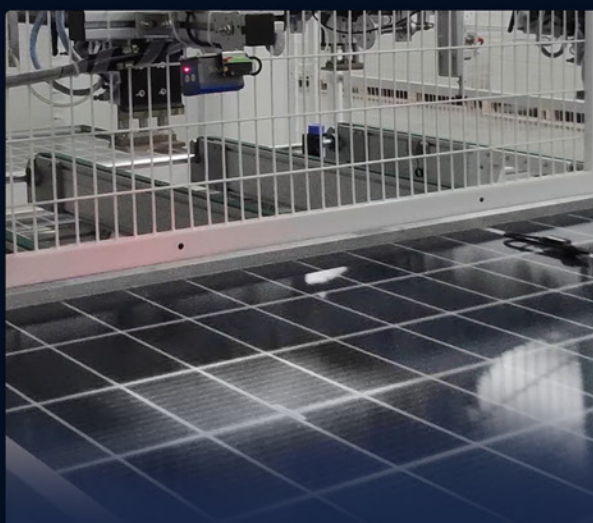
Typical Application Scenarios



Electronics Industry
PCB laser code reading



Lithium Battery Industry
Aluminum-plastic film
inkjet code reading

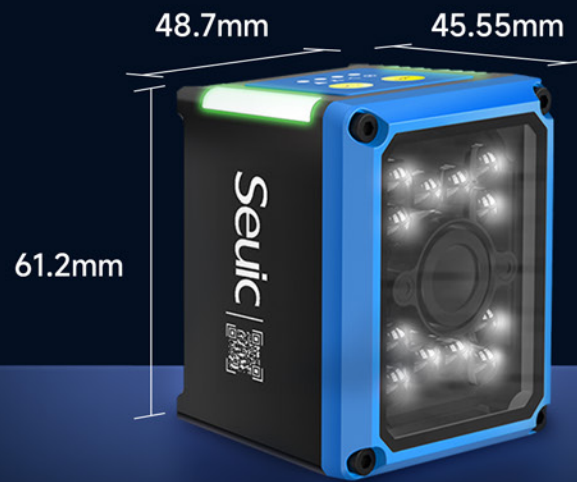


Photovoltaic Industry
Module line scanning

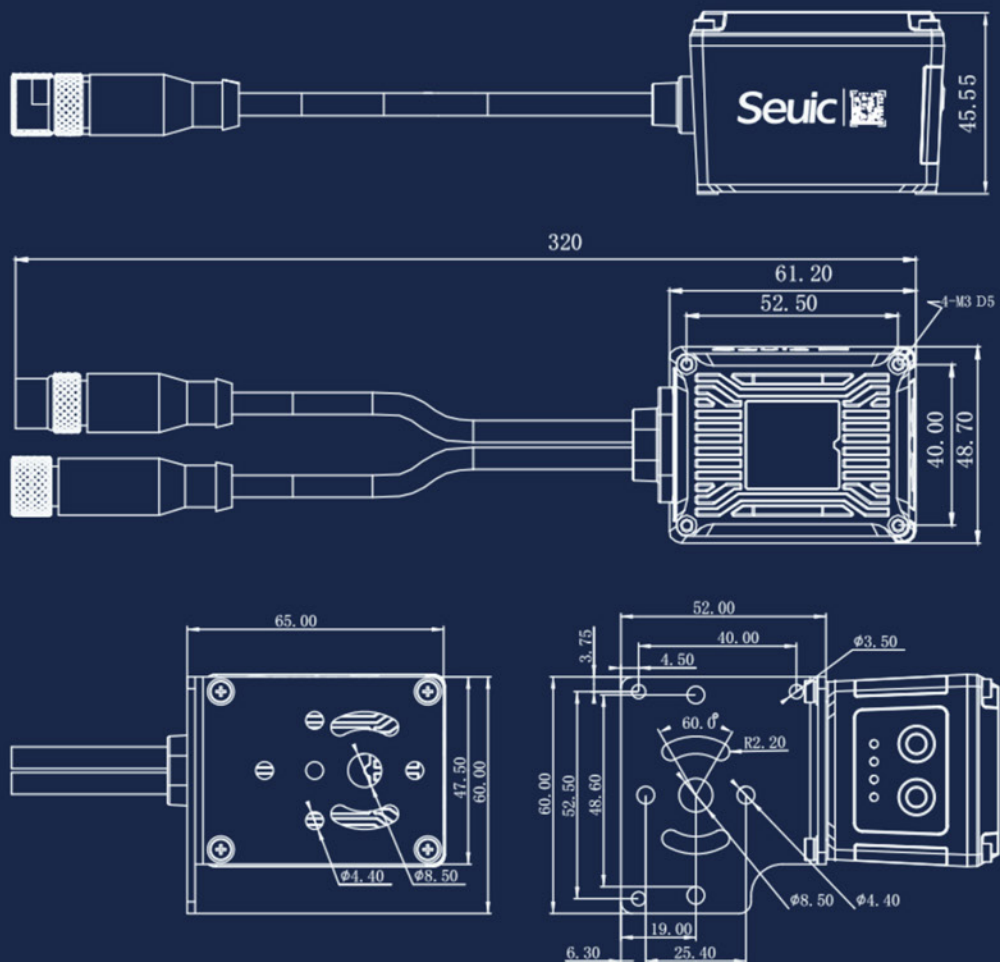


Food & Beverage Industry
Packaging line scanning

Outline Dimensions



Bracket Dimensions



Specifications

Model			X4AI (Standard)	X4W AI (Wide view)
Receiver	Sensor		CMOS Image Sensor with global shutter	
	Number of pixels		1.3M, 1280 x 1024	
Light emitter	Light source		High-intensity red LED or white LED	
	Aimer		Laser dual-point positioning aimer Class II	
Focus adjustment			50mm to 1000mm adjustable	50mm to 500mm adjustable
Reading specifications	Supported symbo	1D	Code128、GS1 128、Code39、Code93、codabar、Interleaved 2 of 5 (ITF)、EAN/UPC	
		2D	QR、DataMatrix (ECC200) 、PDF417、Micro PDF417	
	Minimum resolution	1D	3.3mil	
		2D	2.0mil	
I/O specifications	Control input	Points	2	
		Input type	Bidirectional voltage input	
		Maximum rating	30V	
		Minimum ON voltage	< 4V	
		Maximum OFF current	0.001A	
	Control output	Points	3	
		Output type	3 optocoupler output	
		Maximum rating	30V	
		Maximum load current	1 output: 50 mA or less, 3-output total: 100 mA or less	
		Leakage current when OFF	0.1 mA or less	
		Residual voltage when ON	1 V or less	
	Ethernet	Supported protocol	TCP/UDP TCP Client、TCP Server、FTP、Profinet、MELSEC、Ethernet/IP ModBusTcp(poll/slave)、Fins	
	Serial communication	Communication speed	115200/57600/38400/19200/9600 bps	
		Supported protocol	RS232/RS485	
	USB	Communication standard	USB 2.0 Full Speed compliant	
Environmental Resistance	Enclosure rating		IP67	
	Ambient temperature		0°~50°C	
	Ambient storage temperature		-20°C ~70°C	
	Relative humidity		5% to 95% RH (No condensation)	
	Storage ambient humidity		5% to 95% RH (No condensation)	
	Ambient light		0~10000 lux	
	Operating environment		No dust or corrosive gas present	
Rating	Power supply voltage		10~30V DC	
	Current consumption		0.5 ~ 1.5A	
Weight			Approx.220g	
Dimensions (L x W x H)			61.2mm x 48.7mm x 45.55mm	



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