

X4

Industrial Fixed Scanner

As a high-performance industrial barcode reader, X4 can be used in scenarios such as SMT line mobile code reading, assembly line picking/assembly code reading, electronic test fixtures, and automation equipment integration. X4 has the characteristics of simple and easy to use, it can open the lens in 1 second, autofocus in 3 seconds, and automatically adjust parameters in 30 seconds, and easily complete the code reading configuration. And X4 is equipped with a new decoding algorithm and image processing filter, which can effectively improve the reading rate of various difficult-to-read DPM barcodes. Moreover, X4 has an intelligent variable light source, which can automatically adapt to barcodes with different background colors, making debugging more convenient.



Product Features



Three-step debugging

1 second to open the lens, 3 seconds to autofocus, 30 seconds to automatically adjust parameters, simple and easy to use, improve the convenience of debugging.



4-core high-speed processor

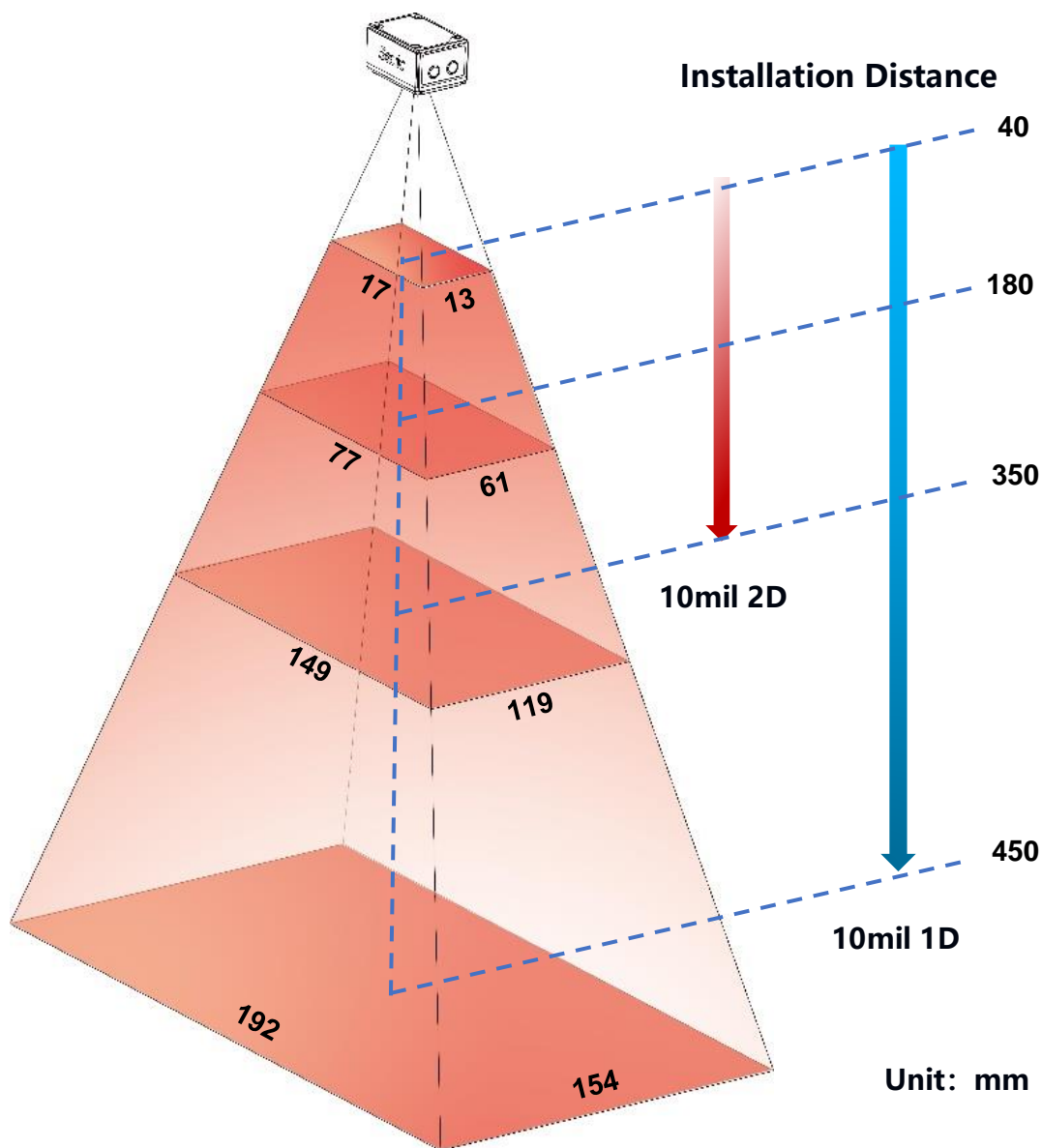
X4 is equipped with a new generation of 4-core high-speed processor, which is multi-channel parallel in image acquisition-decoding-communication operations, and the response speed is greatly improved

1. Specifications

Model			X4-1EF
Receiver	Sensor		CMOS Image Sensor with global shutter
	Number of pixels		1.3M, 1280 x 1024
Light emitter	Light source		High-intensity red LED and blue LED
	Aimer		Laser dual-point positioning aimer Class II
Focus adjustment			Automatic
Reading specifications	Supported symbol	1D	Code128,GS1 128,Code39,Code93,codabar,2of5 (Industrial 2of5),EAN/UPC
		2D	QR、DataMatrix (ECC200) 、PDF417、Micro PDF417
	Minimum resolution	1D	3.3mil
		2D	2.0mil
	Reading distance		50mm to 450mm
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
	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		IP65
	Ambient temperature		0° to 50°C
	Ambient storage temperature		-20°C to 70°C
	Relative humidity		5 to 95% RH (No condensation)
	Storage ambient humidity		5 to 95% RH (No condensation)
	Ambient light		0 to 10000 lux
	Operating environment		No dust or corrosive gas present
Rating	Power supply voltage		10 to 30V DC
	Current consumption		0.5 to 1.5 A
Weight			Approx.215 g
Dimensions (L x W x H)			61.2 mm x 48.7 mm x 43.8 mm

2. Field of View and Installation Distance

X4 series supports focusing in the range of 50mm ~ 450mm, and also supports automatic and manual focusing



3. Field Of View (Typical Example)

Distance (mm)	2D	Distance (mm)	1D
50 - 83	2mil	50-230	3.3mil
50-125	3.3mil	45-400	5mil
50-230	5mil	45-560	7.5mil
45-450	10 mil	40-600	10mil
40-600	20 mil		

Distance (mm)	Field of View (mm)	
50	21	17
100	47	38
180	77	61
310	132	106
350	149	119
450	192	154

4. Dimensions

