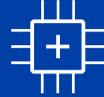# X35

Megapixel Smart scanner
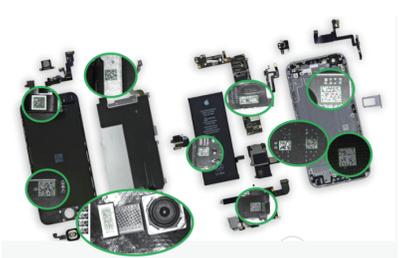
AI Smart Scanner

X35-SAR06/SAR12   **X35-SMR16/SMR25**   **X35-CS/C**
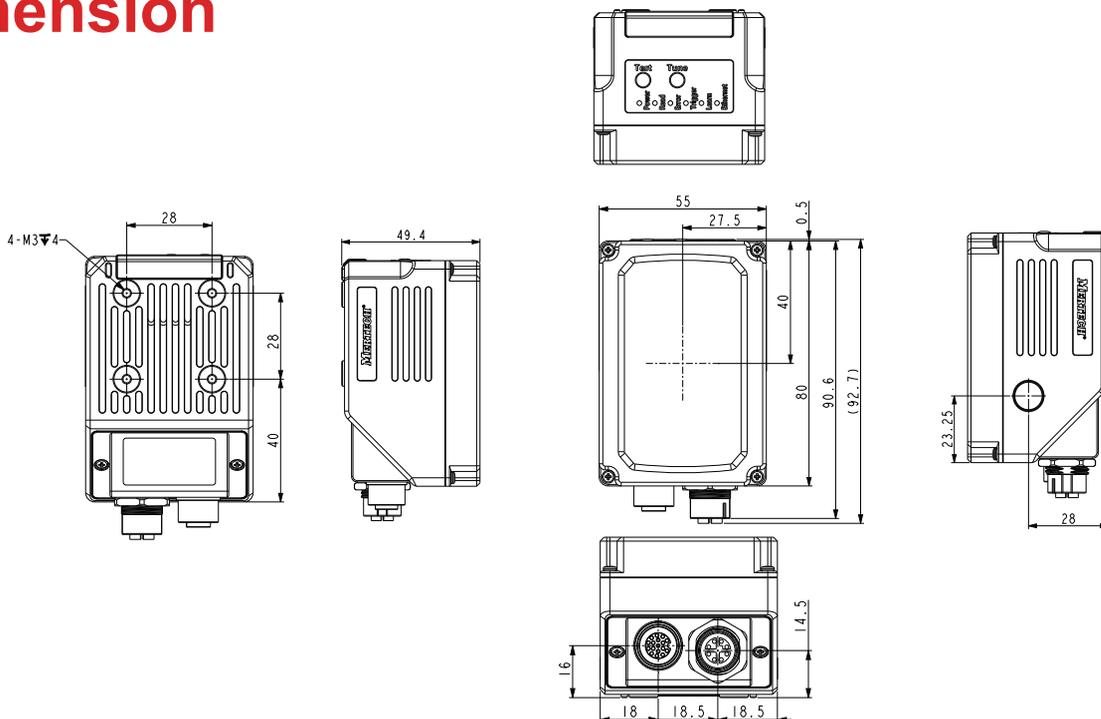
Key Feature

- AI barcode detection.

- Multi-core and multi-thread decoding.

- High energy efficiency lighting system, zone control, lighting modularization.

- 1.3 megapixel BSI sensor , stable imaging under low illumination.

- Supports multiple protocols including Serial Port EthernetIP ,Modbus RTU/TCP,Profinet,Melsec,etc.

Specification

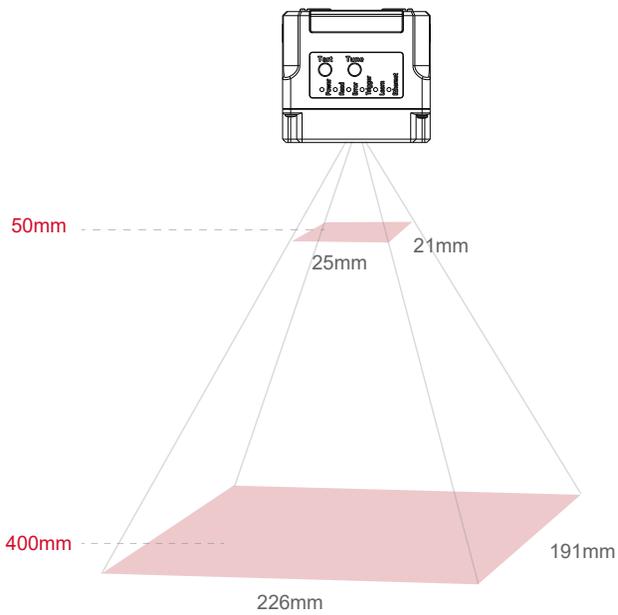| Model			X35-SAR06	X35-SAR12	X35-SMR16	X35-SMR25	X35-C/CS
Category			Autofocus		Manual focus		Customize
Sensor	Sensor Type		CMOS, Global Shutter				
	Resolution		1280Vx1080H				
	Color/Mono		MONO				
	Max. Frame Rate		120fps				
CPU	Main CPU		4×1.6GHz Cortex-A53				
	Secondary CPU		800MHz Cortex-M7				
	Machine Learning Vision CPU		2.3TOPS NPU				
Illumination	Light Source		Red LED, White LED(Optional)，High Brightness LED x 20				-
Electrical Features	Power Supply		24V DC ±10%				
	Max. Power Consumption		<5W				
	IO	Input	Including Optocoupler Isolation Input x 2，Support NPN，PNP				
		Output	Including Optocoupler Isolation Output x 3，Support NPN，PNP, Switcher				
	Interface	RS232	RS232C，RS485，no protocol，Modbus RTU				
		Ethernet	Giga Bit Ethernet，TCP/IP，Modbus TCP，EthernetIP，Profinet,Melsec. Etc				
Decode Features	Symbologies	2D	DataMatrix, QR code, MicroQR,Vericode,Maxicode,PDF417，etc.				
		1D	Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Codabar, GS1 DataBar, UPC, EAN et				
	Minimum Resolution		0.08mm	0.05mm	0.04mm	0.04mm	-
	FOV		H：31°,V：27°	H：16°,V：13°	H：12°,V：10°	H：7°,V：6°	-
	Viewable Range	LengthxWidth 300mm distance	EFL:6mm 105mm*89mm	EFL:12mm 51mm*43mm	EFL:16mm 37mm*31mm	EFL:25mm 25mm*21mm	-
	Focus Position	Distance to Window	30mm~540mm	60mm~1000mm	50mm-290mm	110mm~190mm	-
Mechanical	Dimension	Length x Width x Height	93mmx55mmx50mm				93mmx55mmx41mm
	Weight		Approx 240g				Approx220g
Environmental	Temperature	Working Temperature	-10℃~+50℃				
		Storage Temperature	-20℃~+70℃				
	Humidity		5% to 95% RH, non-condensing				
	ESD Protection		±8KV（Contact Discharge）				
	Ingress Protection		IP65				

Dimension

EFL:6mm

Symbology	Resolution	Distance
1D	3mil	50mm-90mm
	5mil	50mm-140mm
	7.5mil	50mm-210mm
2D	5mil	50mm-100mm
	7.5mil	50mm-140mm
	10mil	50mm-190mm

FOV	50mm	25mm x 21mm
	400mm	226mm x 191mm

EFL:12mm

Symbology	Resolution	Distance
1D	3mil	70mm-180mm
	5mil	70mm-290mm
	7.5mil	70mm-420mm
2D	5mil	70mm-200mm
	7.5mil	70mm-290mm
	10mil	70mm-380mm

FOV	70mm	16mm x 14mm
	400mm	111mm x 94mm