



## MT6228E 2D Industrial Scanner

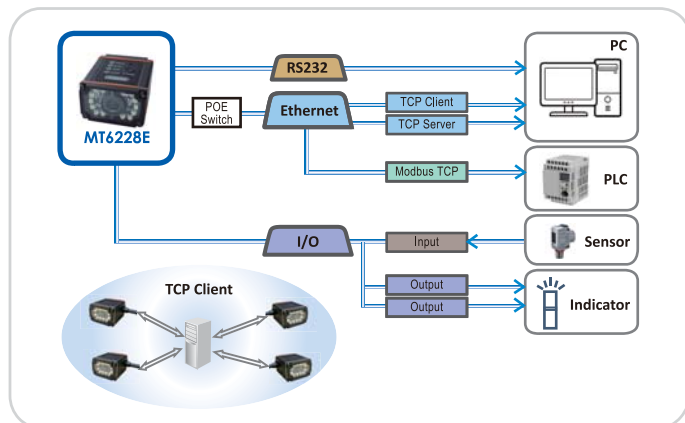
MT6228E is a high-speed 2D fixed mount barcode scanner that delivers outstanding performance in the harshest environment. With its focal distance manually configurable, MT6228E can capture barcode up to 550mm away as well as high density barcode of 3 mil resolution. Enclosed by an IP64 ruggedized housing, it supports external output/input signals (Good/NG/Trigger) and Ethernet (TCP Client/ TCP Server/ Modbus TCP) communication, suitable for manufacturing, factory automation and various industrial applications.

### Designed for Industrial Applications

- Reads all major 2D barcodes in the market
- Works in total darkness and direct sunlight
- IP64 waterproof and dust-resistant protection
- Supports external input/output at 12 ~ 24VDC
- Configurable focus (HHD/HD/SR/LR)
- Auto-tuning optimizes reading performance
- Up to 2M/sec motion tolerance

### Easy and Flexible Operations

- Ships with mounting brackets
- RS232/Ethernet (TCP Client, TCP Server, Modbus TCP)
- External I/O signals (Good, NG, Trigger signals)



Optic & Performance	
Light Source	Visible red LED, 650nm Laser Diode
Sensor	1080 x 1280
Scan Rate	120 Frames/Sec
Resolution (Configurable)	LR: 5mil (1D), 10mil (2D) HHD: 3mil (1D), 7mil (2D)
Scan Angle	Horizontal 29°, Vertical 34°
Pitch / Skew / Roll Angle	±55° / ±55° / 360°
Print Contrast Ratio	20%
Typical D.O.F ( @800 lux)	LR: 70 ~ 320 mm, HD: 60 ~ 300 mm SR: 65 ~ 460 mm, HHD: 40 ~ 120 mm
Physical Characteristics	
Dimension	W44 x L52 x H29 mm
Weight	126g
Color	Black
Material	Aluminum Alloy
Connector	RJ45
Cable	30cm (Fixed section), up to 100cm (Interchangeable section)
Trigger	Auto-sensing, Software Trigger
Indicator	LED, Buzzer
Electrical	
Operation Voltage	12 ~ 24 VDC
Working Current	< 750mA ± 5%
Standby Current	< 100mA ± 5%
Connectivity	
Interface/ Profile	RS232, Ethernet (TCP Client/ TCP Server/ Modbus TCP)
External Input / Output	1 Optoisolated Input (NPN/PNG/Relay) 2 Optoisolated Output (Good/NG)
User Environment	
Operating Temperature	0 ~ 50°C
Storage Temperature	-30 ~ 70°C
Humidity	0% ~ 95% RH (Non-condensing)
Sealing	IP64
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 8KV contact, 20KV air discharge
EMC	CE, FCC
Safety Approval	TBA
Environmental	RoHS 2.0, WEEE
Symbolologies	
1D	UPC-A, UPC-E, EAN-8, EAN-13, Code128, Code39, Code 93, Code32, Code11, Codabar, Plessey, MSI, Interleaved 2 of 5, IATA 2 of 5, Matrix 2 of 5, Straight 2 of 5, Pharmacode, GS1 Databar (Expanded/Limited), Composite Code-A/B/C
2D	PDF417, MicroPDF417, DataMatrix, QR Code, Micro QR Code, Aztec, MaxiCode, DotCode
Postal Codes	Hong Kong 2 of 5, USPS Intelligent Mail

\* All specifications are subject to change without notice.



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