



MT6228 2D Fixed Mount Scanner

MT6228 is a high-speed 2D fixed mount barcode scanner that delivers outstanding performance in the harshest environment. With its focal distance manually configurable, MT6228 can capture barcode up to 550mm away as well as high density barcode of 3mil resolution. It is enclosed by an IP65 ruggedized housing and equipped with an external I/O box providing 5~36 VDC output/input signals (Good/NG/Trigger), suitable for manufacturing, factory automation and various industrial applications.

High-Speed Scanning for Manufacturing

- Reads all major 2D barcodes in the market
- Works in total darkness and direct sunlight
- IP65 waterproof and dust-resistant protection
- Supports external input/output at 5 ~ 36VDC
- Configurable by Windows utility
- Fulfills both LR & HD requirements
- Up to 2M/sec motion tolerance

Easy and Flexible Operations

- Ships with mounting brackets
- RS232/USB/Ethernet interface available
- External I/O box (Good, NG, Trigger signals)



Optic & Performance

Light Source	Visible red LED, 650nm Laser Diode
Sensor	1280 x 800
Scan Rate	120 Frames/Sec
Resolution (Configurable)	LR: 5mil (1D), 9mil (2D) HD: 3mil (1D), 7mil (2D)
Scan Angle	Horizontal 28°, Vertical 33°
Pitch / Skew / Roll Angle	±55° / ±55° / 360°
Print Contrast Ratio	20%
Typical D.O.F (@800 lux)	LR: 115 ~ 550 mm HD: 75 ~ 245 mm

Physical Characteristics

Dimension	W44 x L52 x H29 mm
Weight	126g
Color	Black
Material	Aluminum Alloy
Connector	USB Type A / D-sub 9 / RJ45
Cable	30cm (Fixed section), up to 100cm (Interchangeable section)
Trigger	Auto-sensing, Software Trigger
Indicator	LED, Buzzer

Electrical

Operation Voltage	5 ~ 36 VDC
Working Current	< 750mA ± 5%
Standby Current	< 100mA ± 5%

Connectivity

Interface/ Profile	RS232, USB (HID/VCP), Ethernet (TCP/UDP/Modbus)
External Input / Output	1 Optoisolated Input (NPN/PNG/Relay) 2 Optoisolated Output (Good/NG)

User Environment

Operating Temperature	-20 ~ 50°C
Storage Temperature	-40 ~ 70°C
Humidity	0% ~ 95% RH (Non-condensing)
Sealing	IP65
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

Symbologies

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

* All specifications are subject to change without notice.

