

# TSK-5000MS

1D/2D Fixed Scanner



Version 1.0



## Specifications

### Image Capture Specifications

Image Sensor	CMOS, gray scale
Resolution	752 x 480 pixels

### Barcode Scan Specifications

Symbols	2D	PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 080, 100,140),Aztec, Maxicode, etc.
	1D	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Databar, etc
Precision		≥ 5mil
Depth of Scan Field		Code39(10mil):45mm-155mm; Code39(15mil):60mm-185mm PDF417(10mil):45mm-160mm; PDF417(15mil):45mm-175mm; Data Matrix(10mil):35mm-130mm; Data Matrix(15mil):50mm-150mm; QR Code(10mil):35mm-125mm; QR Code(15mil):50mm-160mm;
Print Contrast Ratio		≥ 30%
Sensitivity**	Roll	360° @ 0° Pitch and 0° Skew
	Yaw (skew)	± 60° @ 0° Roll and 0° Pitch
	Pitch	± 55° @ 0° Roll and 0° Skew

### Illumination Specifications

Light Source	LED (622 nm - 628 nm)
Light Intensity	330 LUX (130 mm )

### Electrical and Mechanical Specifications

Voltage		V3.4: DC 3.3 +/- 0.3 V; V6: DC3.3 + 0.3V
Current	Max	350 mA
	Working	300 mA
	Idle	60 mA
Height		13.5 mm
Width		28 mm
Length		24.5 mm
Weight		18 g

### Environment Specifications

Operating Temperature	-5°C - +45°C
Storage Temperature	-40°C - +60°C
Humidity	5% - 95% (non-condensing)
Ambient Illumination	0 ~ 100,000 LUX

### Certificates

FCC Part15 Class B, CE EMC Class B

\*\*Test Condition:

Code39: 4 Bytes ; Resolution = 10mil; W:N = 3:1 ; PCS = 1.0 ;

Barcode Height = 12mm; Distance = 100mm; T=23° C; Illumination= 200 LUX

## Decode Zone

The view angle of the camera is  $36^\circ$ . Following figure shows the fields of the view at different distances.



