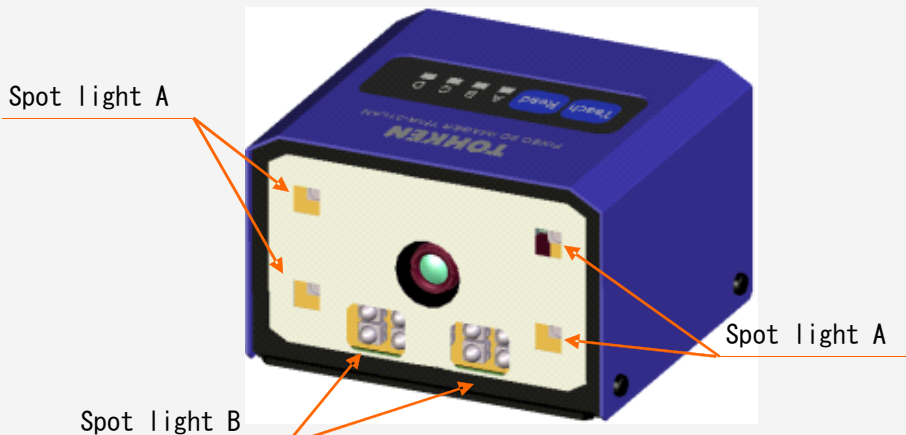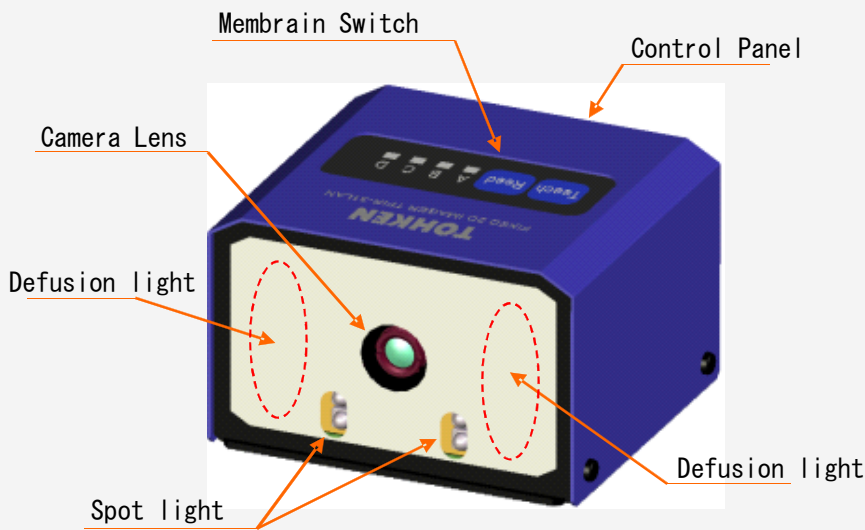# MTS
MARS TOHKEN SOLUTION

TFIR-31LAN

1D & 2D General purpose
Compact fixed mount scanner

Best seller modle TFIR-31 is having new menber in its family. TFIR-31LAN covers vast range of applications like TFIR-31. Its integrated illumination and improved camera sensor allows the user to read barcodes on label, paper and also marked on metal or PCB surface.

TFIR-31 was facing difficulty to read those barcodes who are marked on shiney metal or marked by dot peen marker. TFIR-31LAN is a solution for those applications. Also its Ehternet interface made it possible to control the scanner from remote location. It releases the operators from the bothering process to come down to the production line to modify the settings or check the status of the scanner.

High speed processor +

WVGA camera (752x480) +

Terminal for I/O +

Integrated illumination +

Omni-directional +

Wide range of application +
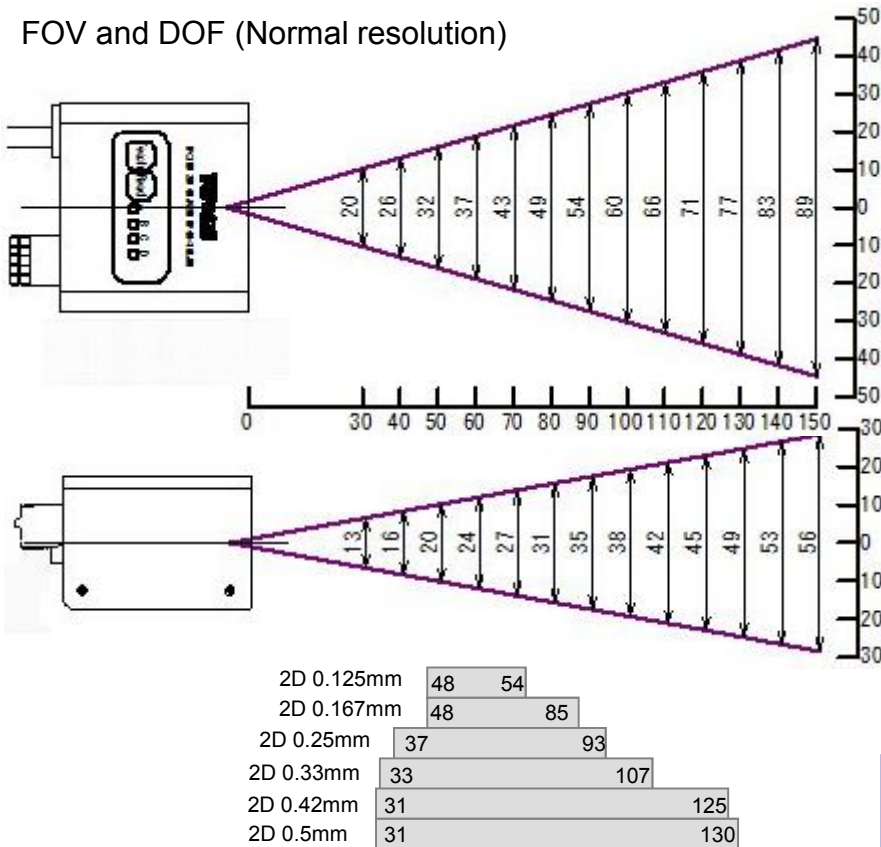
All-in-one design +

Membrain Switch
Control Panel
Camera Lens
Defusion light
Defusion light
Spot light

Spot light A
Spot light A
Spot light B

Regulation

CE FC

TFIR-31LAN Series

General Specification

Model Number	TFIR-31LAN, TFIR-31LAN-H
Interface	RS-232C, Ehternet (10 Base-T)
Supported barcode (2D)	DataMatrix(ECC200), PDF417, MaxiCode, QR Code, MicroQR, MicroPDF, GS1 Data Bar Composite, Customer barcode (optional)
Supported barcode (1D)	JAN/EAN/UPC, ITF, Codabar, Code39, Code93, Code128, EAN128, GS1 Data Bar
Minimum resolution	Normal type: 1D 0.19mm, 2D 0.25mm High resolution type: 1D 0.125mm, 2D 0.15mm
Power	DC5.0V+/-10%
Power consumption	700mA @ 5.0V
Operating temparature/Humid	0 to 40C / 35 to 85%RH (no condence)
Storage temparature/Humid	-20 to 65 C / 35 to 85%RH (no condence)
Digital input	Photocoupler isolation x 1, Resistance: 1kΩ, OFF voltage: 0 to 0.8V, ON voltage: 6 to 28V
Digital output	Photocoupler isolation x 2, Rated value DC30V 50mA
Dimensions	55(W) x 35(H) x 50(D)mm
Weight	130g (without cable)

FOV and DOF (Normal resolution)

2D 0.125mm	48	54
2D 0.167mm	48	85
2D 0.25mm	37	93
2D 0.33mm	33	107
2D 0.42mm	31	125
2D 0.5mm	31	130

FOV and DOF (High resolution)

2D 0.125mm	36	54
2D 0.167mm	32	58
2D 0.25mm	28	68

Freewill - Mars Tohken Co. Ltd
✉ **29th Floor Lumpini Tower, 1168/88 Rama IV Road, Tungmahamek, Sathorn, Bangkok 10120**
🌐 **http://www.freewill-marstohken.com**
☎ **02-0344253-6**

Tohken Co., Ltd. marged with Mars group and becomes Mars Tohken Solution Co. Ltd. Since February 2012.