

## THIR-6780

### 1D & 2D General purpose Handheld Barcode Scanner



The THIR-6780 Series is Mars Tohken's next generation 1D and 2D handheld barcode scanner. This scanner was designed for general use, including high contrast barcodes printed on labels and paper, as well as many types of DPM (Direct Parts Marking) uses. The THIR-6780 series employs a high quality, globally shuttered CMOS sensor, combination illumination and advanced image processing techniques to ensure maximum decodability.

**IP64 rating**  
(protection against dust  
and splashed water) +

**High speed processing** +

**WVGA Camera**  
(752x480 Pixels) +

**Light weight, tough body** +

**LED & Vibration indicator** +

**Omnidirectional reading** +

**Paper, label and DPM** +

Function Button

LED, Audible &  
Vibration indicators

Durable structure

Ergonomic Design

Shock Absorbing  
Elastomer

Aiming LED

WVGA Camera

Spot illumination

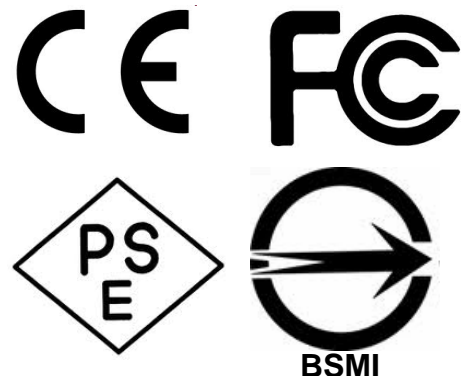
Oblique  
illumination

Trigger

Detachable cable  
(RS232C/USB)



#### Regulation

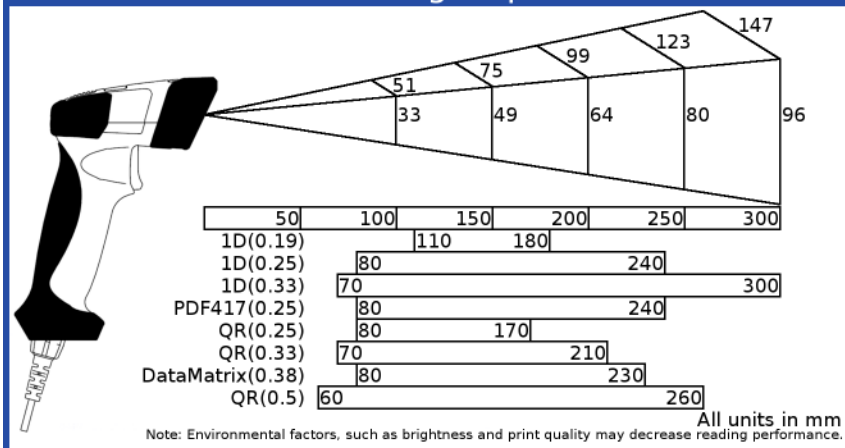


# THIR-6780 Series

## General specifications

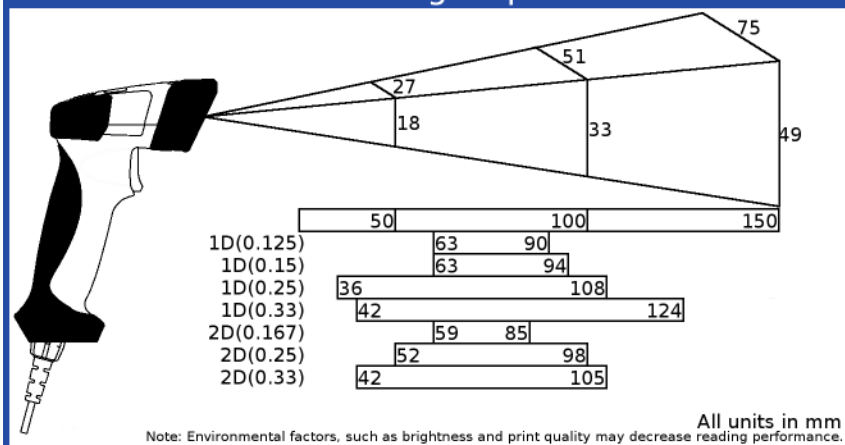
Model number	THIR-6780R, THIR-6780R-H, THIR-6780U, THIR6780U-H
Interface	RS-232C, USB/HID (Controlled by function button or via software) Detachable cable
Supported barcodes (2D)	DataMatrix(ECC200), PDF417, MaxiCode, QR Code, MicroQR, MicroPDF, GS1 Data Bar Composite, Customer barcode (optional)
Supported barcodes (1D)	JAN/EAN/UPC, ITF, Codabar, Code39, Code93, Code128, EAN128, GS1 Data Bar
Minimum resolution	Normal resolution type : 1D 0.19mm, 2D 0.25mm High resolution type : 1D 0.10mm, 2D 0.125mm
Power	DC5.0V+/-5%
Power consumption	400mA @ 5.0V
Operating temperature / humidity	0 to 40C / 35 to 85%RH (non-condensing)
Storage temperature / humidity	-20 to 65 C / 35 to 85%RH (non-condensing)
Protection rating	IP64
Drop specification	Multiple drops from 2m to concrete (no reduction in reading performance)
Dimensions	60(W) x 162(H) x 125(D)mm
Weight	159g (without cable)

## Field of View and Reading Depth



Field of view and depth of field (normal resolution type)

## Field of View and Reading Depth



Field of view and depth of field (high resolution type)

Tohken Co., Ltd. consolidated with Mars Techno Science on February 1st, 2012 to form Mars Tohken Solution Co. Ltd.. We thank you for your continuous support.