

# MANTRA

## Portable Biometric Registration Kit

Bringing biometric enrollment to the masses

Mantra Softech is a Global Hi-Tech Manufacturer of Biometric Products and Solutions. We offer a Wide Range of Products in Biometric and RFID Industry.



# Portable Biometric Registration Kit



## Introduction

Mantra identification has proven itself in designing flexible biometric solutions in ruggedized cases for registration, identification and verification purposes. Various solutions have been provided all over the world. The components in the biometric registration kits have survived harsh conditions, protected by aluminum and ABS cases.

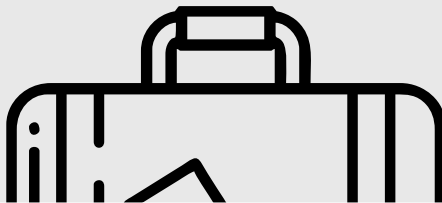
## Main Features



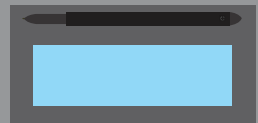
Face  
Capture

### Case

HIGH STORAGE CAPACITY  
Compact & Durable Design,  
💧 IP67 Plastic Case 🖱️ Light Weight



### Signature Capture



High-resolution  
Camera for  
Face Capture



Fingerprint  
Scanner



6-8 Hour  
Battery autonomy



Plug & Play  
Interaction



Offline / Online data  
Management



Dual IRIS  
Capture



Biographic  
Data

Accurate Data  
Capture

## Innovative On-the-Go Registration

With the Portable Biometric Registration Unit, MANTRA provides its most compact solution for mobile biometric enrollment. Despite its small size, there is a lot of high-tech inside the case, including MANTRA's proven & reliable fingerprint & Iris scanner technology.

Mobile Biometric Solutions and data collection kits are proven, reliable and accurate solutions for issuing ID-cards and biometric information.

Kit which not only supports fingerprint, face and iris recognition, but also adopts various document reading technologies and optional interface for wireless connection, enabling it to rapidly and accurately collect identity information and to be used in wider areas. Furthermore, its casing is made of high-density industrial-grade plastic material, supporting IP67 dust, water resistance and 1.5 meters drop resistance.

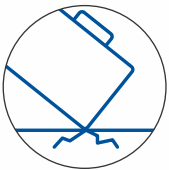
The configured portable battery bank can provide an additional 6-8 hours of power to the entire device. Kit is lightweight and small size make it easy to carry a portable authentication kit to different locations. It is an ideal solution for use in remote or communication-impaired locations, refugee camps, event theaters, maritime blockades or emergency/crisis management.

We know that every project is unique. Customers can choose exactly what their identity management solution requires to ensure that mission requirements are met. It contains every component needed to successfully register and verify biometric data: signature, fingerprint, face and iris functions.

Main areas of use: Voter, National ID card enrolment / verification, Card issuance, Census, Refugee enrolment, KYC and many more.

## Case Features

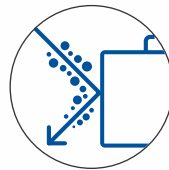
All components of the Portable Biometric Registration Unit are housed in a compact PP plastic case . Several foam inserts provide additional protection against drops. Also, the case is dust-tight and waterproof (IP67) and has a secure latch system.



**Shockproof**



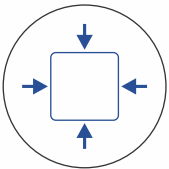
**Waterproof**



**Dust-Tight**



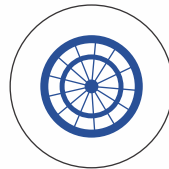
**Secure Latch**



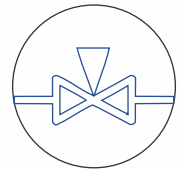
**Compact Size**



**Automatic Pressure  
Balancing Valve**



**Universal Wheel**



**Trolley Support**

## Components of Biometric Registration solutions



### Fingerprint Capture

M-SCAN is a unique & portable ten-print fingerprint capture device used to capture multi fingerprints. The device is ideal for delivering fast, accurate and reliable fingerprint capture results for biometric verification, identification and enrollment applications including indirect or direct sunlight; dusty conditions; and dry or dirty fingers.



### Face Capture

The 24-megapixel camera of the Registration Unit provides high-quality images of the registrant's face. The camera's flexible base and the additional telescopic pole simplify the capture process.



### Signature Capture

The unit has Signature Pad which is a small, rugged with transfective LCD that displays "electronic ink" under the pen tip during signing. LCD 1x5 is perfect for applications where high quality, high-resolution fingerprint imaging is required.



### User Interface

The unit's laptop grants easy access to all the applications required for the registration process. The device has a 14-inch Full HD screen and high-performance hard-ware inside to run even complex applications fast and stable.



### IRIS capture

M-EYE is a rugged, portable and easy-to-use dual-iris capture device that can simultaneously capture both irises with higher accuracy and greater speed. The innovative dual iris scanner is packed with compelling features that make the device suitable for diverse biometric enrollment and identification applications.



### Energy Supply

A power bank ensures that the Portable Biometric Registration Unit can operate for several hours. The lithium-ion battery has a capacity of 52,000 mAh and it ideal for any biometric enrolment application.

# Portable Biometric Registration Kit

## Specifications



### Case

Dimensions (H x W x D)	: 653 mm x 413 mm x 275 mm
Weight (including unit components)	: Approx. 14 kg
Material	: Polypropylene (PP)
IP code	: 67



### Fingerprint Scanner

Fingerprint Sensor Type	: Optical Scratch Free Sensor
Pixel Resolution	: 500 DPI +/- 1%
Platen Area	: 3.5 x 3.2 in. (90 x 81 mm)
Capturing Format	: Flat Four fingers & Two thumbs
Active Platen Area	: 3.2 x 3.0 Inch (81.2 x 76.2 mm)
Finger Image Pixels	: 1600 x 1500 Pixels
Pixel Depth	: 8 Bits/Pixel (256 Gray Level)
Capturing Speed	: 3.3 F
Capture mode	: Auto capture with built-in quality check
Interface	: USB 2.0, USB-IF certified
Certificates	: CE , FCC, RoHS, Safety, IP65, Image Quality , WHQL, ISO 19794-4.



### IRIS Scanner

IRIS Diameter	: >210 Pixel
Pixel Resolution	: >20 Pixel/mm
Interface	: USB2.0 High Speed(USB-IF Certified)
Spatial Resolution	: > 60% @ 4.0 LP/mm
Pixel Depth	: 8 Bits/Pixel (256 Gray Level)
Image Margins	: Left & Right $\geq 0.5 \times$ IRIS Diameter, Top & Bottom $\geq 0.25 \times$ IRIS Diameter
Imaging Wavelength	: 700 - 900 nm
Capture Mode	: Auto Capture with Built-in Quality Check
Capture Volume (WxHxD)	: 30 x 22.5 x 15 mm

## Specification



### Camera with Tripod

Resolution	: 24.1 Mega Pixels, CMOS sensor
Recording & Frame Rate	: Full HD(1920 x 1080) 30FPS & HD(1280 x 720) 60FPS
Focusing	: Both – Auto focus & manual
Connectivity	: NFC & Wi-Fi
Power Supply and Interface	: USB through suitable dummy battery cable



### Laptop

Operating System	: Windows 11 (64-bit)
Processor	: Intel® Core™ i7-1165G7 @ 2.80GHz
Display	: 14 inches IPS Full HD (1080 x 1920 pixels)
Storage	: 512GB SSD
Memory	: 16GB DDR4
Wireless Connectivity	: Wi-Fi & BLE
Interfaces	: USB 2.0, USB 3.0, USB Type-C, HDMI, audio, microSD, DC-IN, RJ45



### Signature Pad

Power Supply & Interface	: USB
Signing Area	: 112mm x 33mm
Display	: Transflective LCD with backlit;
Sensor type	: Tampered glass surface;Rated to 2 million signatures
Pen Type	: Battery-less pen (wired)
Signature pad Dimensions	: 152mm x 95mm x 36mm



### Power Bank

Capacity	: 52000 mAh Li-Ion type/ 19V / 65W
Output	: 19V DC for Laptop charging & Optional any modem interface
Input	: AC Input through suitable DC jack ; Pass-through charging; Source delivery cut off switch to keeps the batteries isolated for shipping and extended storage.
Battery status	: LED indication
Protection features	: Overcharge; Undercharge ; Short circuit & Thermal cutoff

# MANTRA

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