

# Everspry Outsole Scanner V2.0



## Contents

1. General Introduction.....	2
2. Product and Accessories .....	2
3. Model Specification .....	3
4. Characteristics.....	4
4.1 Fast acquisition of outsole patterns.....	4
4.2 High resolution.....	4
4.3 Low cost data storage .....	5
4.4 Images are saved automatically.....	5
4.4.1 Save data locally.....	5
4.4.2 Upload data into EverASM database .....	6
5. Regulatory Compliance .....	8
5.1 FCC Certification .....	8
5.2 CE Certification .....	9
5.3 RoHS Certification.....	10

# 1. General Introduction

EverOS (Everspry Outsole Scanner) is a proprietary shoeprint acquisition equipment that can be used as a standalone system or together with Everspry Automated Shoeprint Matcher (EverASM).

EverOS V2.0 is the second generation shoeprint acquisition equipment designed to capture suspect shoeprints and save them as scaled, highly detailed images.

The resulting images can then be directly uploaded into the EverASM for further search and comparison, as well as stored locally on a PC.

# 2. Product and Accessories

No.	Items	Quantity	Details
1	EverOS Manager	1	Accompanying software
2	Everspry OS V2.0	1	
3	Power cable	1	
4	Data cable	1	

Table2.1 Product and accessories

### 3. Model Specification

No.	Items	Description
1	Model	HR-YQ-III-A
2	Dimensions	(LWH) 380 x 400 x 175 mm
3	Weight	20KG
4	Output port	Standard USB 3.0
5	Power supply	12 DC, 1A DC
6	Lighting	LED lighting with lifetime of over 20,000 hours
7	Image resolution	300 DPI
8	Optical system	Image distortion: <0.2%
9	Acquisition area	(LW) 370 x 150 mm
10	Max weight tolerance	200 kg
11	Packaging	Portable aluminum case
12	Imaging	Moulded imaging is used for clear reflection of sole patterns and features of shoeprint pressure images
13	Software requirement	Windows 7 or above

Table 3.1 Model specification

## 4. Characteristics

### 4.1 Fast acquisition of outsole patterns

Acquisition time of a single outsole pattern is less than 3 seconds.

For shoeprint acquisition, please step on the device acquisition area in a normal walking fashion (heel -> arch -> sole).



Figure 4.1 Heel



Figure 4.2 Arch



Figure 4.3 Sole

### 4.2 High resolution

Acquired image resolution is 300 DPI, image distortion is less than 0.2%, which meets high requirements for identification.



Figure 4.4 High resolution

## 4.3 Low cost data storage

Compared with shoeprint lifting, the cost is reduced by 98%.

## 4.4 Images are saved automatically

Resulting outsole image can be automatically saved locally or uploaded into EverASM database.

### 4.4.1 Save data locally

The software automatically scans your shoeprint and displays it in real time. You should see the following, click **Acquisition** to continue.

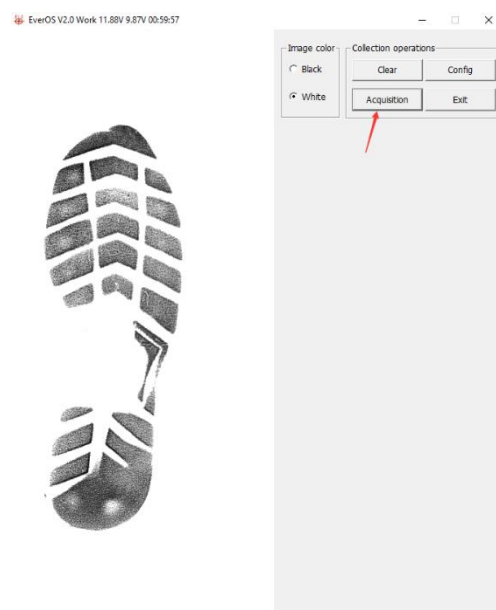


Figure 4.5 Shoeprint acquisition

Select the directory path where you wish to save the resulting outsole image. The software automatically adds a yellow scale to the shoeprint.



Figure 4.6 Save shoeprint image

## 4.4.2 Upload data into EverASM database

EverOS equipment can easily be connected with EverASM to store shoeprint images in the EverASM database.

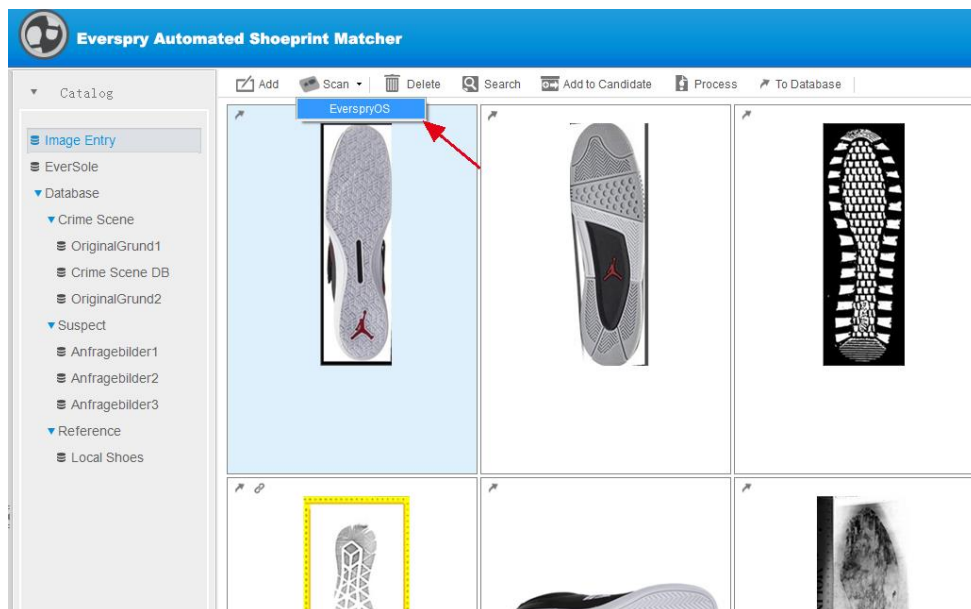


Figure 4.7 Connect EverOS to EverASM

Step on the equipment in a normal walking fashion and click **Acquisition** button to save the shoeprint image in the EverASM.

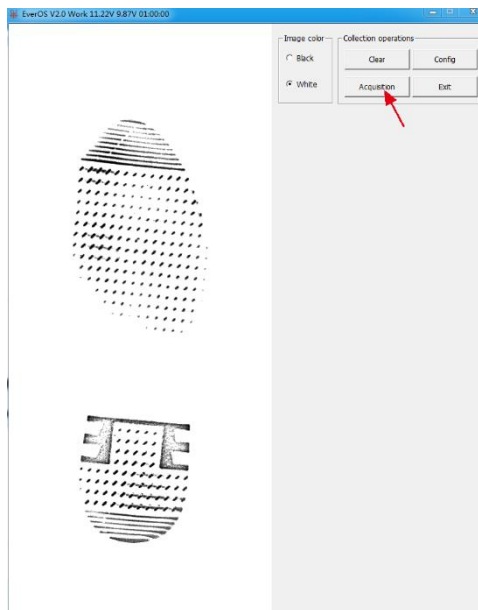


Figure 4.8 Collect the shoeprint

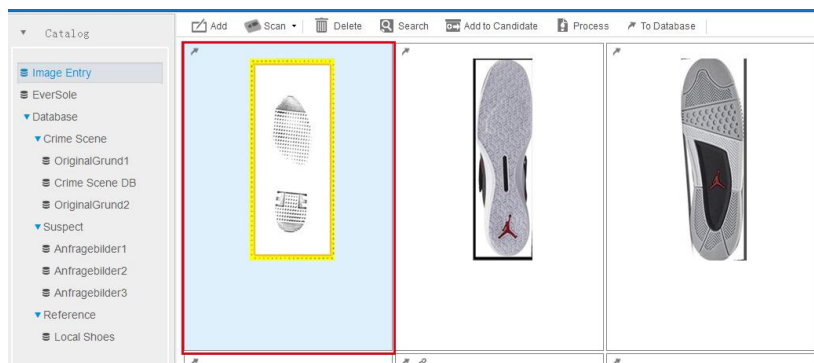


Figure 4.9 Save shoeprint in EverASM automatically



## 5. Regulatory Compliance

### 5.1 FCC Certification

*SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.*

*Report No.: LCS1404120413E*

#### FCC TEST REPORT

On Behalf of

Dalian Everspry Science & Technology Co., LTD.

Everspry Shoeprint Acquisition System(ESAS)

Model No.: HR-YQ-III

Additional Model No.: HR-YQ-III-A

Prepared for : Dalian Everspry Science & Technology Co., LTD.  
Address : Xixian Street NO.31, High-tech Zone, Dalian, Liaoning,  
P.R.China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
Address : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an  
Avenue, Bao'an District, Shenzhen, Guangdong, China  
Tel : (+86)755-82591330  
Fax : (+86)755-82591332  
Web : www.LCS-cert.com  
Mail : webmaster@LCS-cert.com

Date of receipt of test sample : April 12, 2014  
Number of tested samples : 1  
Serial number : Prototype  
Date of Test : April 12, 2014 - April 16, 2014  
Date of Report : April 16, 2014

Figure 5.1 FCC test report

## 5.2 CE Certification

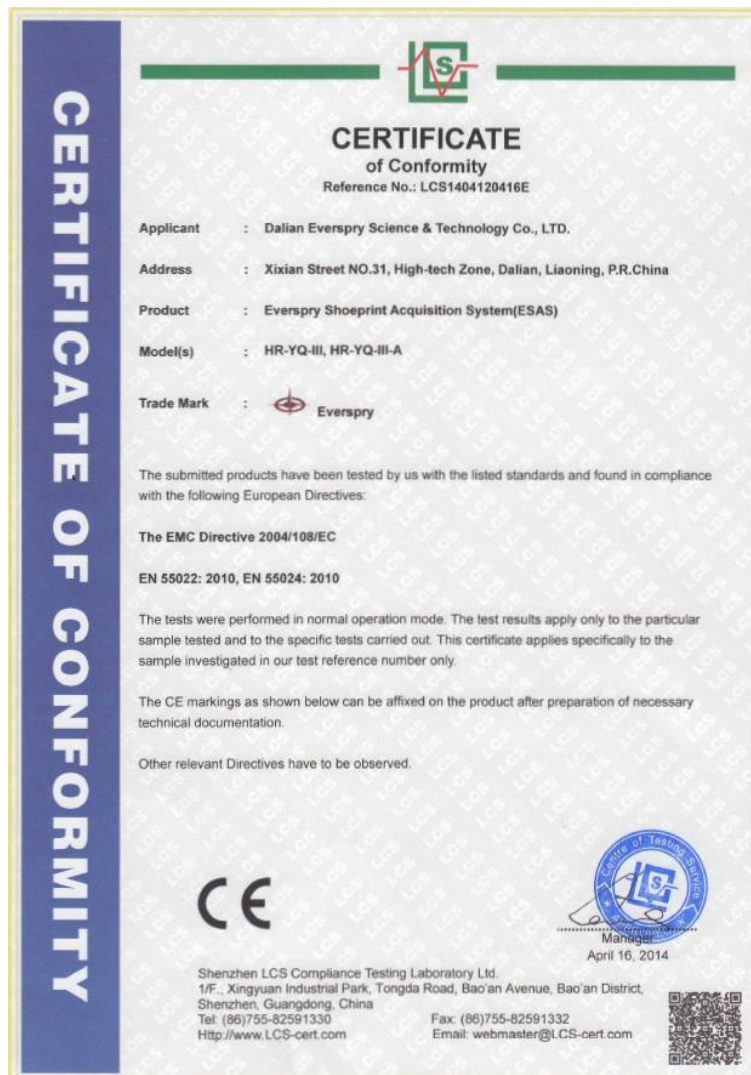


Figure 5.2 CE Certification

## 5.3 RoHS Certification

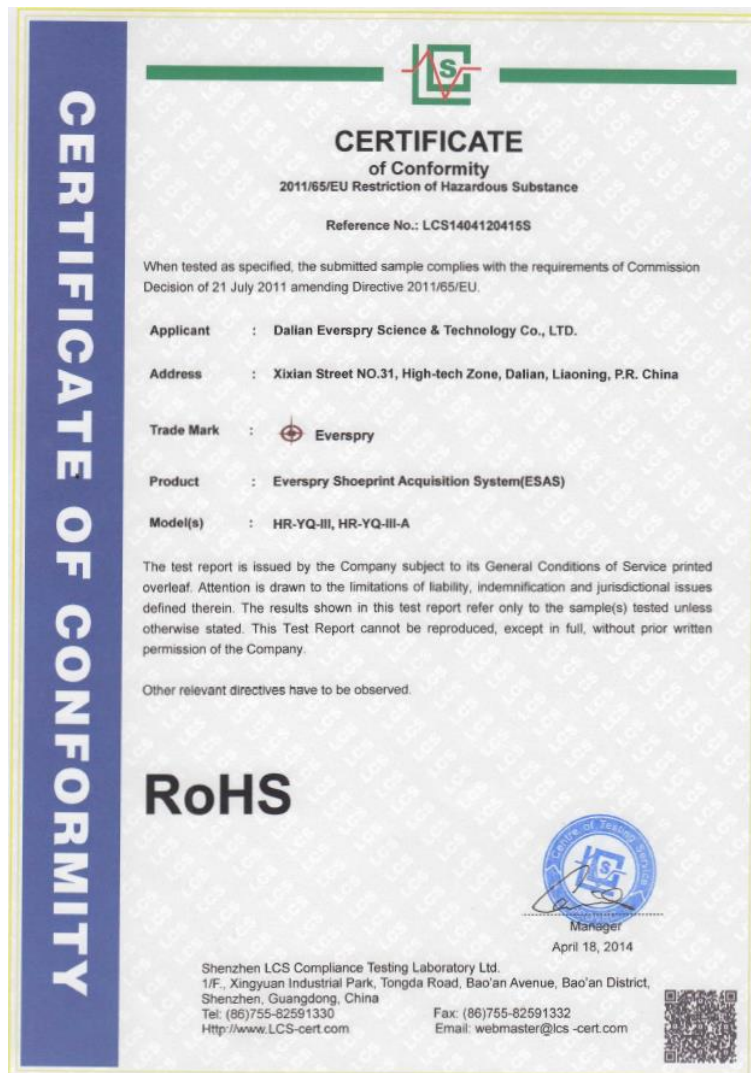


Figure 5.3 RoHS Certification