

CSD 450



Features:

- > 500 ppi resolution
- > USB 2.0 interface
- > Forensic-quality flat fingerprint images
- > Ambient light rejection
- > Large active platen area
- > 10 frames/second image capture
- > Fully featured with auto capture, adjustable brightness, contrast, and gain functions
- > FBI PIV-071006 Mobile ID SAP 40 and FIPS 201 PIV certified
- > Low maintenance

3M Cogent's FIPS 201 certified dual-digit optical fingerprint scanner, the CSD 450, captures high quality prints through an advanced optics design that enhances ambient light discrimination. The large platen area of the CSD 450 allows the capture of a dual-digit flat fingerprint impression or a single-digit rolled impression. Features of this robust scanner include auto-capture and adjustable brightness and contrast, with an image capture rate of 10 frames per second. Its compact design has no moving parts, making it a low maintenance solution that can be easily integrated into new or existing applications.

The CSD 450 easily integrates into third-party applications through state-of-the-art software development kits, which are built upon 3M Cogent's proven biometric technologies and encompass biometric applications such as fingerprint capture, 1:1 verification, and 1:N identification.

The overall accuracy of any AFIS solution relies on image quality, image processing, and fingerprint recognition algorithms. With its forensic image quality output, the CSD 450 is ideal for two-finger real time identification applications such as inmate handling, border control, and civil background check.

Dual-Digit Optical Scanner

CSD 450

Technical Specifications

Resolution:	500 ppi
Uniform Illumination:	Automatically calibrated
Platen Area:	1.8 × 1.8 in. (46 × 46 mm)
Active Platen Area:	1.6 x 1.5 in., 800 x 750 pixels
Grayscale:	8-bit, 256 levels
Connection/Power:	USB 2.0, data and power
Operating Temperature Range:	32° F to 131° F (0° C to 55° C)
Humidity Range:	10-90% non-condensing
Weight:	1.04 lbs (0.47 kg)
Dimensions:	4.5 × 2.6 × 2.8 in. (115 × 66 × 71 mm)
System Requirements:	Windows XP Professional (Svc. Pack 2) Windows 2000 Professional (Svc. Pack 4) 2.0 GHz or higher Pentium IV compatible CPU 512 MB RAM or higher USB 2.0 compliant ports or USB 2.0 PCI card
Available SDKs:	FPCaptureAccess; FPCaptureExpress
Certifications:	FBI PIV-071006 Mobile ID SAP 40 FIPS 201 PIV Standard

FC CE RoHS Compliant

*Product specifications are subject to change without notice.

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