

TECHNICAL DATA SHEET

# Gemalto Cogent Palm Print Scanner CS500p



## Product Description

The CS500p is a 500 ppi FBI-certified livescan device that captures all rolled fingers, flats, upper, lower, and writer's palms during the booking process. With its high-definition optics, the CS500p captures forensic-quality images that meet the ANSI/NIST and FBI Image Quality Specification (IQS) standards, allowing electronic interface with other law enforcement systems. Features include real-time image quality check, sequence verification, auto-center, and auto-contrast functions.

The livescan software guides the user through the capture process with on-screen prompts and graphical user interface displays.

## FEATURES

- > Forensic-quality image capture for flat, rolled, and palm print impressions
- > Real-time image preview on-screen for improved quality control
- > Image quality and sequence check by comparing rolled and flat impressions
- > Built-in event logging and recovery mechanisms
- > Preformatted data fields for ease of demographic data entry
- > Fully compliant with ANSI/NIST, FBI, and international standards
- > Intuitive user interface, including programmable function keys
- > Remote diagnostics and maintenance available
- > Optional foot pedal switch for hands-free operation
- > Optional signature and mugshot capture components

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## SPECIFICATIONS

<b>Resolution:</b>	500 ppi
<b>Scanner Size:</b>	8.9 x 17 x 5.7 in. (226 x 432 x 145 mm)
<b>Palm Print Image Size:</b>	5.1 x 5 in. (130 x 127 mm)
<b>Flat Image Size:</b>	5.1 x 5 in. (130 x 127 mm)
<b>Rolled Image Size:</b>	1.6 x 1.5 in. (41 x 38 mm)
<b>Interface:</b>	USB 2.0
<b>Capture Mechanism:</b>	Automatic, via foot pedal switch or capture button
<b>Weight:</b>	19 lbs. (8.6 kg)
<b>Operating Temperature:</b>	50° to 95° F (10° to 35° C)
<b>Humidity:</b>	10-80% relative humidity, non-condensing
<b>Capture Format:</b>	Single finger flats, single finger rolls, four finger slaps, two thumbs, upper palms, lower palms, writer's palms
<b>Power Supply:</b>	DC 12V, 4A

## Standard Software

- > FBI-certified processing software
- > Capture 14 NIST fingerprint images
- > FBI-certified WSQ compression module
- > SMTP, FTP, SML and NIST interface module
- > Quality check and sequence check module
- > Segmentation of flats into single fingerprint images

## System Requirements

- > Windows® XP or higher
- > Intel® Core™ 2 Duo 2.4 GHz or higher
- > 2 GB RAM or higher
- > 80 GB hard drive or higher
- > USB 2.0

## Available Configurations

- > Cabinet
- > Desktop
- > Notebook

## Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable as of the date of this publication, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, special or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.

## Certifications/Compliance

- > FBI Appendix F
- > USB-IF certified
- > FCC
- > CE

## Optional Components

- > Digital camera
- > Signature capture pad
- > Barcode reader
- > Magnetic stripe reader
- > LiveScan Cabinet
- > Touchscreen monitor
- > FBI-certified laser printer
- > Carrying case