



# CrimeScope® CS-16-500W-15F

*The Ultimate Forensic Light Source.*

*"The flagship of the SPEX Forensics product line."*

## Designed to cover all the applications possible for a Forensic Light Source.

The CS-16-500W-15F is ideal for those departments that prefer Xenon Lamps to Metal Halide Lamps because of the extra Infrared output for forged documents. While designed to fit comfortably in the lab, the CrimeScope® is small enough to be taken to the crime scene making it an exceptional dual use unit. The CS-16-500W-15F covers the UV and Visible portions of the spectrum and is available with optional IR. It is continuously tunable allowing for complete coverage of the spectrum.

## For Lab Work, as Well as Crime Scene:

Fingerprints (porous/non porous surfaces), body fluids, trace evidence, bite marks and bruises, shoeprints, gun shot residues, bone fragments, drugs, etc.



The one and only CrimeScope®.



Integrated remote control, unique in the industry, allows one hand operation, the ability to direct the output and switch wavelengths, with one hand.

## Ease of Use

The CS-16-500W-15F contains an automated filter wheel with an LED readout on the front of the unit. There is a remote control INTEGRATED into the working end of the liquid light guide to control wavelength selection. Since the remote is integrated, there is no separate wire, connection, or control to install. An optional foot switch is available for "hands free" operation.

## True "One Hand" operation

A hallmark of SPEX Forensic Light Sources, it is most true on the CrimeScope®. One hand can both direct the light and select wavelength, freeing the other hand for evidence collection.

- **NEW** high throughput filters
- **High intensity 500W Xenon bulb** for superior wavelength coverage
- **Most complete - 12 to 19 wavelengths**
- **Wavelength fine tuning**
- **Remote control for one hand operation**
- **Uniform and adjustable illumination spot**
- **Optional computer control software**
- **Optional monochromator for superior Infrared illumination**

CRIMESCOPE® CS-16-500W-15F



## CS-16-500W Features

- 15 filters mounted on a tiltable, automated filter wheel allowing continuous wavelength tunability. The user can select any of the individual wavelength selections and fine tune to the next lower selection. This provides complete coverage of the spectrum and results in superior photography.
- 10mm diameter, 2 meter long liquid light guide for UV and Visible light for highly focused, uniform (homogenous) spot.
- CS-REMOTE - remote wavelength selector at WORKING END of light guide. Allows user continuous wavelength selection using the same hand holding the light guide, freeing the other hand to dust or collect evidence.

## CS-16-500W Optional Features

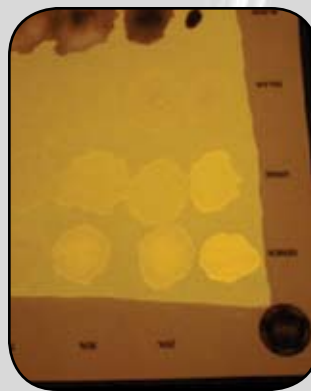
37870 - Infrared output. Economical solution for Questioned Document examination and ink-ink differentiation. Light guide and 4 filters for port on side of instrument. Filters include LP630, LP715, LP780, LP830.

CS-IR-Tune - Infrared excitation monochromator covering 650-1000nm with 3-foot fiber optic, flexible arm with 2 super-clamps, order sorting filter, special 1 meter long liquid light guide for infrared for high throughput and high uniformity, 3 slits pairs and adjustable collimator with coated lens.

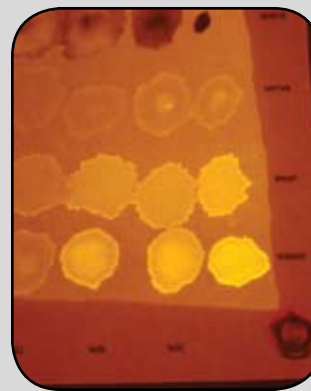
Allows IR fine tuning and bandwidth adjustment for ink differentiation. Wavelength can be controlled down to 1 nanometer steps and bandwidths can be set for 4-8-16-32nm. Provides unmatched ink-ink differentiation capability.

## Components and Specifications:

- Rugged main unit with wide, stable footprint, carrying handle, front control panel with LED display, wavelength selection buttons, wavelength fine tuning knob, and power adjustment knob.
- 10mm active diameter Liquid Light Guide (6 feet long) with dual armor plate.
- Set of four 62mm diameter camera filters with ring adapters: (2) orange longpass, (2) red longpass.
- Remote control integrated into the working end of the Liquid Light Guide.
- 5 pairs of goggles: 1 UV protection, 1 yellow, 2 orange, 1 red.



Body fluids under blue illumination.



Body fluids under CSS illumination.

Because of the multiple wavelength capability, all CrimeScope's are capable of background rejection. Notice the fluorescence of the background material on the left. It is reduced on the right, allowing the fainter stains to be seen.

- Heavy duty flexible arm to hold liquid light guide with 2 special superclamps compatible with camera tripods, table top or table leg. Allows for Photography and two handed processing of evidence.
- Accessory and Liquid Light Guide carrying case
- Carrying case for main unit with built in wheels and pull out handle.
- Manual on care and use of unit, covering all applications.

## System is manufactured under ISO 9001 standards.

Type of Lamp: Xenon

Electrical Power: 500W

AC Electrical Specifications: 110-220 VOLT +/- 10%, 50/60 Hz, 7 AMP

Warranty: One year on parts and labor

## CS-16-500W-15F High performance-15 filters. Included Filters:

UV-415-445-455-475-495-CSS (Crime Scene Search filter: Shortpass filter SP540), 515, 535, 555, SP575, 600, 635, 670, White.

## A 12 Filter version is available, please contact us for specifications and details.

**37870** Infrared option for forged documents IR: 630, 715, 780 & 830

**CS-IR-TUNE** Infrared Monochromator for Questioned Document work.

**C-Scope** Computer interface card, cable and wavelength control software.

*As with any alternate light source, always wear eye and skin protection. Please illuminate responsibly.*