

Regula



Forensic Light Kit
Regula 3116M

Your Ultimate Toolkit for Forensic Investigations

The Forensic Light Kit Regula 3116M is designed to empower forensic experts with precision tools for detecting and analyzing crucial evidence. Whether at a crime scene or in the lab, the kit offers unparalleled capabilities for uncovering criminally significant traces.

1

Advanced Forensic Light Sources:

Precisely illuminate and detect hidden traces

2

Evidence Visualization and Capture Device:

Accurately document findings with state-of-the-art visible and IR cameras

3

Viewing Goggles with Filters:

Protect your vision while enhancing trace detection efficiency

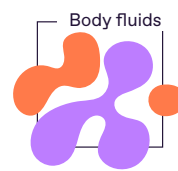
4

Operating Software:

Enables image processing, measurements, annotation, markup, etc.

For Detection and Visualization of Any Traces

Bloodstains



White

General contrast search, shoeprints, dust marks, mixed debris.

Blue (450 nm)

Visualize body fluids, bone & tooth fragments, fibers, hair, accelerants, treated fingerprints.

Ultraviolet (365 nm)

Detect body fluids, bone and tooth fragments, hair, fibers, general mixed debris, some drug residues, treated fingerprints, accelerants.

Infrared (850 nm)

Identify blood stains and spatter, gunshot residue.

Key Features at a Glance



Four types of light

The high-intensity LED light sources—UV 365nm, Blue 450nm, Infrared 850nm, and White—can operate in dual intensity modes, adapting seamlessly to the expert's specific needs. The kit can detect body fluids, bone and tooth fragments, hair, fibers, general mixed debris, some drug residues, treated fingerprints, accelerants, blood stains and spatter, gunshot residue, and more.



Viewing goggles with light filters

These lightweight goggles protect your eyes from glare and harmful wavelengths when working with high-intensity forensic lights. Interchangeable filters match white, blue, UV, or IR illumination, ensuring safe, comfortable viewing while enhancing contrast and revealing fine details during both field and lab work.



Capture device with a set of cutting filters

The Forensic Light Kit features a capture device with two autofocus cameras: a 64 MP visible-light and a 8 MP IR. Each camera is equipped with special filters that block stray light and reflections, providing clear, high-contrast images.



Optional backpack for transport

For greater mobility and convenience, the system can now be supplied with a custom-designed backpack that safely holds all the components of the Regula 3116M in a compact, secure layout. The backpack is highly ergonomic and helps reduce physical strain on the forensic expert when traveling to a crime scene.



Powerful operating software

The Forensic Light Kit is fully integrated with Regula Forensic Studio (RFS) operating software, which enables image processing, measurements, annotation, markup, image overlay, and visual pointers. It also supports the use of accompanying metadata such as geolocation, descriptions, and shooting conditions.



Universal mounting system

The forensic light sources and the capture device can be attached to the special handle for use in various setups, including mounting the equipment on a tripod, an adjustable arm, or a pantograph, depending on the specific requirements of the investigation.



Specialized mobile app on the capture device

The mobile capture app used in the system is a dedicated Regula application installed on the capture device. It ensures distortion-free photo and video capture, preserving the integrity of visual evidence. The app also allows users to tag images with essential contextual data—such as GPS coordinates and shooting conditions—directly on the device.



Prevents cross-contamination

Passive cooling systems in the light sources are designed to ensure that air remains contained within the device, avoiding the release of airflow into the environment. Unlike active cooling systems that can transfer microscopic particles, passive cooling eliminates the risk of cross-contamination between crime scenes.



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