

**Product Name :**  
Ultra-Wide Spectrum Forensic Camera

**Product Code :**  
EQUP-MC20283-0005

### **Description :**

Ultra-Wide Spectrum Forensic Camera

### **Technical Specification :**

The ultra large scientific research level image sensor is used to photograph, fix, record and collect the fine evidence in the crime scene of non permeable objects such as fingerprints, blood traces, footprints, saliva, semen spots, etc. with a spectral response range of 180 ~ 1100nm, it has high sensitivity and super weak trace search ability.

Spectrum corresponding range: 180nm-1100nm; Average sensitivity of UV region is 70%, especially up to 60% at 254nm and 55% at 365nm.

Sensor: A high sensitivity ultraviolet enhanced scientific CMOS sensor is used. The single frame resolution is 2048 \* 2048. The imaging target size is 2 inches diagonal, and the pixel size is 11μm.

Image Processing: Auto. According to different recording and imaging object, the parameters such as image brightness / contrast / gamma value are automatically adjusted to realize real-time image processing and improve image quality from the source.

Shutter type: Electronic shutter, exposure time adjusted automatically or manually.

Video & Image output: 1080p 25 frames/s real-time video & image output, 2048 \* 2048 4million pixels real-time single frame photography.

Focal length / Passing wavelength: 78mm/f2.0 fully compatible quartz lens, through the wavelength of 180nm-2000nm, 5 meters to search for large-scale trace evidence search, discovery, location and camera.

Achromatic correction: Color correction, UV / Vis / IR correction, transparent and sharp image

Macro shooting: From 15cm to infinity, large area search, footprints shooting, fingerprint full screen, and file inspection details zooming, the whole process of imaging can be achieved by adjusting the focus.

Display screen: 7 inch IPS HD Anti-blast screen, 1280x1042pixels

Filter UV spectral: UVA (254nm), UVC (365nm)

Filter Visible spectral 410nm,450nm,500nm,550nm,600nm,650nm

Filter IR spectral: 700nm,850nm

UV light: Integrated design, small volume, special short wave led UV lamp.

Video Recording format: RAW / AVI non compressed format video recording, super speed SDHC card for video and image data recording and storage.

Image format: HD video recording: AVI / RAW format;

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Taking single: BMP, JPEG, TIF and other formats.

Real time image enhancement: Provide real-time deduction function of background interference when shooting fingerprint evidence.

System upgrade: Offline or online system upgrade can be realized through the fuselage network port or SD card, and the system performance can be improved intelligently.

Power supply: Two rechargeable Li batteries;

Single battery working time is up to 4hours.

Dimension: 22.4\*13.0\*6.5cm



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