Laptop for Technical Photography - Cultural Heritage Science Open Source
Technical Photography KIT

We offer a complete kit for Technical photography (TP) which includes a full spectrum camera sensitive from the Ultraviolet to the Infrared radiation and the set of necessary filters and lamps. Our TP kit represents a good compromise among quality, adaptability, and costs. It allows to realize a complete set of 8 technical photo documentation methods: VIS (visible photography), UVF (Ultraviolet Fluorescence photography), UVR (Reflected Ultraviolet photography), IR (Infrared photography), IRF (Infrared Fluorescence photography), IRFC (Infrared False Color photography), IRT (Infrared Transmitted photography) and RAK (Raking light photography).

This kit is recommended for art professionals such as conservators, art appraisers, archaeologists, art historians. Use it for fast and informative examination of easel paintings, wall paintings, manuscripts and historical documents.
Interested in our tools? Download our Catalog (2690 downloads)

TP KIT. All the necessary software and hardware to start Technical Photography for Art.

Features

PORTABLE. The TP Kit was designed for the traveling Art Expert. It is a set of lightweight and compact tools to perform technical photography with very lightweight equipment. We ship worldwide.
Technical Photography Kit. All you need fit into 2 boxes.

ADAPTABLE. Our TP kit is meant to be the best solution for those art professionals that need to work on different kind of objects. It can be used for paintings, wall paintings and works of art on paper.
READY. You will receive a laptop containing all the software already installed and set up. Every piece of software you need to shoot and edit the images is already installed and set. It is easy to shoot with our Technical Photography kit. Connect the camera to the laptop and use the shooting software already installed and set.

A complete set of open source software for Technical Photography. Our TP KIT comes with a laptop that has all the software you need pre-installed and tested. You have “Digicam Control” for tethering the camera, “Raw Therapee” to edit the raw images and “GIMP” to prepare the Technical Photography report.
CHSOS TP LAPTOP. All software for Technical Photography already installed and setup.

We shoot RAW images with **DigicamControl**

Can tether a large number of cameras, Nikon, Canon, Sony...

We edit RAW images with **RawTherapee**

Can be used to edit RAW images from any camera (Nikon, Canon,..)

We prepare the **TP documentation** using **GIMP**

GIMP is the FREE alternative to costly Photoshop.
CHSOS **TP** LAPTOP. All software for Technical Photography already installed and setup.
CHSOS TP KIT. Laptop ready to tether the camera and edit the images for final reports. COMPONENTS. The TP Kit contains all you need to perform technical photography on art and archaeology objects.
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- Digital camera modified for UV-VIS and IR. See the list of available cameras
- Extra accessories for the camera: 50 mm lens, power adapter, remote shutter.
- Laptop.
- TP filters set.
- UV lamp.
- IRF lamp.
- 2 x Halogen lamps.
- 2 x tripods for the lamps.
- 1 tripod for the camera.
- Pigments Checker with TP–MSI calibration card.
- Online training course (6 hours).

TWO VERSIONS. We propose two versions of this kit, **Standard**, and **Professional**:

**Standard kit.** The best solution for those who need a complete system for Technical Photography of works of art and archaeology.

- Full spectrum camera Nikon D7100, 24 MP.
- Tethering Software, to run the camera through a computer.
- Technical Photography Filters Set -standard.
- Filtered UV lamp.
- Infrared Fluorescence lamp.
- Our Technical Photography and MSI calibration card.
- Pigments Checker.

**Professional kit.** An advanced version for the art professionals that need to offer high-quality results with high resolution and advanced filters.
– Full spectrum camera **Nikon D800, 36 MP.**
– Tethering Software, to run the camera through a computer.
– Technical Photography Filters Set -Professional. Same technical specifics as the standard set but with advanced resistance coating.
– Filtered UV lamp.
– Infrared Fluorescence lamp.
– Our Technical Photography and MSI calibration card.
– Pigments Checker.
– Training (6 hours onsite or online)

Upgrade the CHSOS Technical Photography KIT with Antonello, the multispectral imaging system.
Publications on Technical Photography


**Publications on Technical Photography**


A. Cosentino *Scientific examination of Cultural Heritage raises awareness in local communities* Science Education and Civil Engagement, 8:1, 15-20, 2016.

Publications on Technical Photography

Technical Photography KIT - Cultural Heritage Science
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DOWNLOAD

Technical Photography for Manuscripts

chsopensource.org
Technical Photography KIT - Cultural Heritage Science Open Source

DOWNLOAD

Technical Photography for Wall paintings

chsopensource.org
All of our tools work on both 110 V (USA) and 220 V (European) voltages. You can use them worldwide. We provide our tools with the original European power plug and a free power adapter to USA or UK standards depending on your choice.