Technical Photography Filters set (v.2) - Robertina
NEW

72 mm Filters Set Robertina

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Technical Photography Filters set (v.2) - Robertina
UPDATE!

It is now available Robertina TP Filter Set with 72 mm thread. This new larger set can fit lenses with filter thread up to 72 mm.

Technical Photography Filter Set 72 mm
We redesigned our Technical Photography Filters Set to be more simple and fast. It’s called Robertina.

CHSOS TP Filter set v.2 Robertina (52 mm – 760 euro, 72 mm – 1290 euro + 30 euro (shipping))

**NEW Technical Photography Filters Set (v.2) Robertina** is composed of 3 scientific filters (52 mm or 72 mm thread). They are all the filters you need to perform Technical Photography (TP). In our Training programs, we illustrate how to use these filters to produce technical photos such as IR (Infrared), UVF (UV Fluorescence), UVR (UV Reflected), IRFC (Infrared False Color) and IRF (IR Fluorescence). These images reveal information such as underdrawing, *pentimenti*, and retouches. They can enhance the reading of faded documents and provide a tentative identification of pigments.

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Features

**Two sizes; 52 or 72 mm.** This number indicates the threading on the front of a lens for attaching filters. Do not confuse it with the focal length of the lens. The Robertina Filters set at 52 mm can fit standard lenses, such as the 50 mm lens (focal length) that we provide with our Technical Photography kit. Robertina 52 mm is good for most standard lenses since they have the 52 mm filters thread. The new larger Robertina 72 mm can fit lenses with filter thread up to 72 mm. This larger Robertina is for professionals users that have big lenses, generally found in conservation and photography documentation laboratories. Purchasing a 72 mm filters set is a good investment since you can use it both on large as well as smaller lenses. you just need a step up adapter ring. Robertina 72 mm includes the adapter ring from 52 to 72. So, you can use Robertina 72 mm on standard 52 mm lenses.
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**One spectral band at a time!** The new Filters Set Robertina v.2 features custom-made special filters. We had them manufactured by our collaborator Optical Components developer to match our needs in Cultural Heritage technical examination. The filter set is composed of 3 filters, simply named UV, VIS, and IR. The UV filter allows ONLY UV radiation. We use it for UVR photography. The VIS filter allows only VIS radiation and it is used for those photographic methods that look only into the visible part of the spectrum, such as VIS and UVF. The IR filter allows ONLY the infrared radiation and in particular that furthest part of it that the camera can still detect, over 900 nm. This is where the pigments become more transparent and we get the most out of our IR photo. The filter is then used for all the photographic method using IR radiation, such as IRF and IRT. In the previous version of the Filters set, we needed to apply two filters together to achieve this precise spectral selection of only UV, VIS or IR. Thanks to this new custom-made set with only 3 filters we can get the images faster and sharper.
Technical Photography

CHSOS Filters set

CHSOS Filters Set
Just 3 Filters

Spectral bands acronyms

IR
VIS
UV

Spectral bands range

1100
720
400
360
nm

TP methods acronyms

IR
IRFC
IRF
VIS
RAK
UVF

CHSOS Filters set (v.2)
Technical Photography

Transmittance (%)

Wavelength [nm]

Technical Photography Filters set (v.2) - Robertina
It works with any full spectrum camera. The Technical Photography Filters Set Robertina can be used with ANY full spectrum digital camera. No matter if you already own a Nikon, a Canon or whatsoever full spectrum camera, our filters set will provide optimal results.

For 52 mm lenses. The current filter set works on lenses with the 52 mm filter thread. These are the most common lenses. Later this year, we will propose a pro version of the filter set to fit large lenses. This 52 mm version is fine for the largest part of users which will have standard lenses, such as the Nikon Nikkor 50mm AF 1.8 D 50 mm lens we use for Technical Photography during our Training program and in our art examination workflow.
Filters quick release adapters. The 3 filters are mounted on magnetic supports. Performing Technical Photography means changing filters countless times. Using standard filters with their frame to screw on the lens will lead eventually to a worn off thread on the lens or on the filter frame. To prolong the life of your lenses and filters we created a magnetic adapter. You just need to slide the filters on the support that is attached to your lens. For Technical Photography it is important the camera is kept steady for final registration of the images. So, it is very important to have magnetic adapters for the filters to minimize the displacement of the camera. The filters set comes with our quick release adapters which make easy, safe and effortless to change filters on your lenses. These magnetic snap-on adapters free you from the tedium of changing filters and the wearing out of the threads on the filters and on the lenses. They do not harm the camera and the lenses, as well as the focus mechanisms, media cards, drives and other electronics.

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Our tools are shipped with a QR code that points to their relative web pages which contain all the information about the items.
Publications using Technical Photography Filters Set

Publications on Technical Photography


Publications on Technical Photography


Previous versions
Do you have the previous CHSOS Technical Photography Filters set v.1? [CLICK HERE] to see its specifics.