

Robertina – Technical Photography Filters Set (72 mm)

Technical Data Sheet

1. Product Overview

Robertina is a professional filter set designed for technical photography using full-spectrum digital cameras. The 72 mm version of the kit is optimized for lenses up to 72 mm filter threads and provides controlled isolation of ultraviolet (UV), visible (VIS), and infrared (IR) spectral bands. The system is intended for scientific imaging, cultural heritage documentation, and conservation diagnostics.

2. Kit Configuration (72 mm Version)

This technical sheet refers exclusively to the 72 mm version of the Robertina filter kit. The set includes three scientific band-selection filters and dedicated mounting accessories to ensure repeatable and stable imaging conditions during technical photography workflows.

3. Included Components

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|-----------------|---|
| Filter Diameter | 72 mm |
| UV Filter | UV band-pass filter for UV reflectance imaging |
| VIS Filter | Visible-light band-pass filter for standard color photo |
| IR Filter | Infrared long-pass filter for IR imaging |
| Adapter | Lens magnetic adapter |
| Compatibility | Full-spectrum modified digital cameras |

4. Optical Function

The Robertina filter set enables precise spectral selection by physically isolating ultraviolet, visible, and infrared radiation reaching the camera sensor. When used with calibrated illumination sources and a full-spectrum camera, the filters allow repeatable acquisition of UV-reflected, visible, and infrared images suitable for comparative multispectral analysis.

5. Typical Applications

- Ultraviolet reflectance (UVR) photography
- Standard visible-light documentation (VIS)
- Infrared photography and IR false-color imaging
- Technical imaging workflows
- Cultural heritage and conservation diagnostics

6. Notes on Use

The filters are intended for use on lenses compatible with 72 mm filter threads or smaller lenses via the included step-up adapter. Care should be taken to avoid cross-contamination between spectral acquisitions by ensuring correct filter placement and consistent camera positioning.

