



Professional Lighting Solutions for Cultural Heritage Applications

November 2020



About us



- Our mission is to help professionals in the image industry to develop their business by providing **high quality lighting solutions**.
- Flash and continuous lights are proudly manufactured in Switzerland and exported all around the globe since 1948.
- The **cultural heritage sector** with its scientific photography applications has always been an important field of business to broncolor. Museums and archaeological heritage experts in more than 60 countries rely on broncolor lights.

Cultural Heritage Lighting Solutions

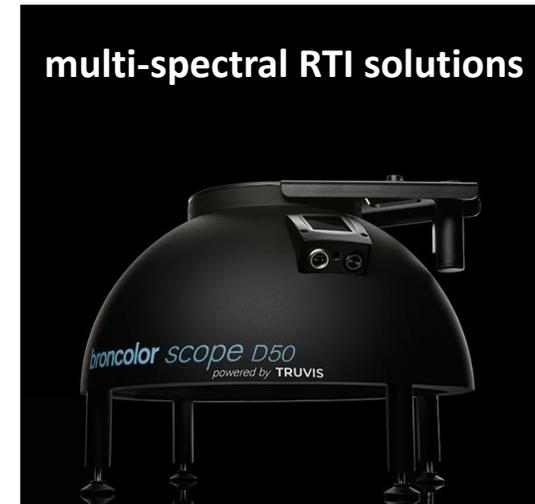


We provide specialized tools for Cultural Heritage Imaging with:

traditional flash lighting



multi-spectral RTI solutions



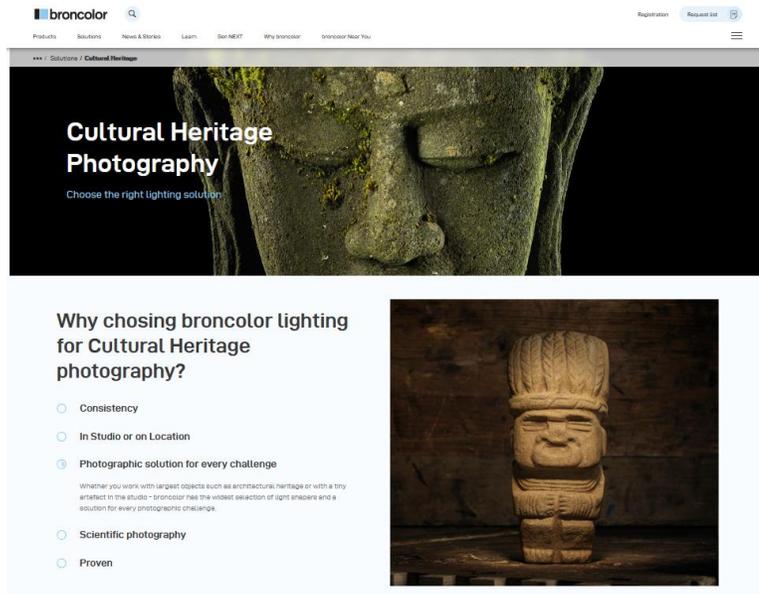
Traditional Flash Lighting



- **Authenticity** is one of the most important claims when taking photographs of cultural heritage objects. broncolor's absolute **precision in lighting** produces photographs that do not have to be (re-)touched.
- Whether you work **with large objects such as architectural heritage** or with **tiny artefacts** in the studio - broncolor has the **widest selection of light shapers** for (almost) every photographic challenge.
- More than 200 world-renowned museums already trust broncolor for decades. They appreciate **the legendary quality of the broncolor light with highest consistency and repeatability.**

More Information about Cultural Heritage Photography

Information about recommended equipment



broncolor

Products Solutions News & Stories Learn Get NEXT Why Broncolor Broncolor Near You

Cultural Heritage Photography

Choose the right lighting solution

Why choosing broncolor lighting for Cultural Heritage photography?

- Consistency
- In Studio or on Location
- Photographic solution for every challenge
- Scientific photography
- Proven

Whether you work with largest objects such as architectural heritage or with a tiny artefact in the studio - broncolor has the wisest selection of light sources and a solution for every photographic challenge.



Bundles for Cultural Heritage photography

Surface Visualizer Versatile

- Scoro 1600 S WiFi | RFS 2

[Learn more](#) →

- PicoLite

[Learn more](#) →

- Picobox

[Learn more](#) →

Add to request list

“How to” tutorials for Cultural Heritage Photography

Learn more about Cultural Heritage photography

We have created learning material that might interest cultural heritage photographers. Have a look!



How to shoot this image Cultural heritage

How to photograph a statue

How to Videos Cultural heritage

How to Shoot Three-Dimensional in Still Life Photography

RTI - Reflectance Transformation Imaging



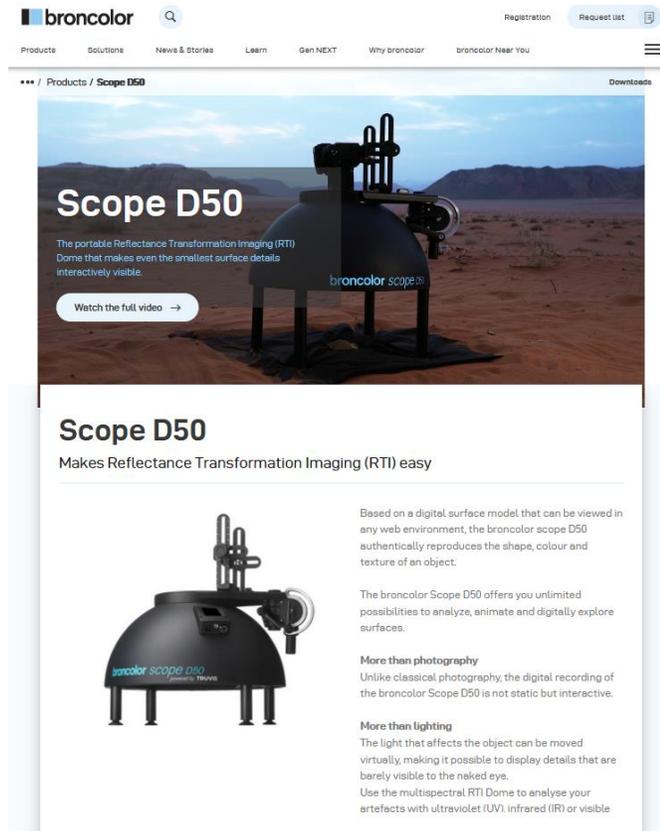
- **Reflectance Transformation Imaging (RTI)** - also known as **polynomial texture mapping** - is a computational photographic method that captures a subject's surface shape and color and enables the **interactive re-lighting of the subject from any direction**.
- To create a surface model, the broncolor Scope D50 takes 48 photographs under **predefined and calibrated light settings**. The viewpoint (camera) is fixed and only the illumination is changed at each shot.
- The high performance RTI engine from TRUVIS takes only a short period of time to render the data. **The surface can be analyzed in different light settings within minutes and the model can easily shared by a web export function.**

broncolor Scope D50



- The **broncolor Scope D50** is the first standardized and industrially engineered product for RTI.
- **48 LEDs:** the high number of LEDs guarantees ideal results.
- **UV/IR option** available for multispectral applications.
- **Anywhere and anytime:** a built-in touch screen and a battery kit are valuable features for all remote jobs.
- **Manufacturer calibration:** no on-site calibration is necessary; the system is immediately ready for operation.
- The **TRUVIS Authentica software** is included in the Scope D50 kit.
- **Content sharing/WWW-ready:** The software allows a direct export of surface models that can be used on webpages.

More Information about broncolor Scope D50



The screenshot shows the broncolor website's product page for the Scope D50. The page features a large image of the device in a desert landscape, a video player, and descriptive text. The navigation bar includes links for Products, Solutions, News & Stories, Learn, Get NEXT, Why broncolor, and broncolor Near You. The main heading is 'Scope D50' with a sub-heading 'The portable Reflectance Transformation Imaging (RTI) Dome that makes even the smallest surface details interactively visible.' Below this is a video player with the title 'Scope D50' and a description 'Makes Reflectance Transformation Imaging (RTI) easy'. To the right of the video player is a detailed description of the device, including its capabilities and how it differs from classical photography and lighting.

Scope D50
The portable Reflectance Transformation Imaging (RTI) Dome that makes even the smallest surface details interactively visible.

Watch the full video →

Scope D50
Makes Reflectance Transformation Imaging (RTI) easy

Based on a digital surface model that can be viewed in any web environment, the broncolor scope D50 authentically reproduces the shape, colour and texture of an object.

The broncolor Scope D50 offers you unlimited possibilities to analyze, animate and digitally explore surfaces.

More than photography
Unlike classical photography, the digital recording of the broncolor Scope D50 is not static but interactive.

More than lighting
The light that affects the object can be moved virtually, making it possible to display details that are barely visible to the naked eye. Use the multispectral RTI Dome to analyse your artefacts with ultraviolet (UV), infrared (IR) or visible



broncolor Scope D50 - the portable Reflectance Transformation Imaging (RTI) Dome

broncolor • 12K views • 2 years ago

Meet the Scope D50, a portable Reflectance Transformation Imaging (RTI) Dome that makes even the smallest surface details visible. The Scope reproduces authentically the shape, color and texture o...

CC



How to set up Scope D50 - RTI dome for Reflectance Transformation Imaging

broncolor • 1.2K views • 2 months ago

Learn how to set up your Scope D50 for Reflectance Transformation Imaging (RTI) applications. The Scope D50 is a portable RTI dome that can be battery powered when on-location acquisition is requir...



Import images and create a surface model in Truvis Authentica Creator - Scope D50

broncolor • 711 views • 2 months ago

In Truvis Authentica Creator, let's learn how to create a surface model, based on the 48 images captured with your broncolor Scope D50. First, Authentica Creator must be installed: <https://truvis...>

Token for CHNT 2020 Attendees

Get a free surface model of a sample item captured with the Scope D50 RTI system.*

Simply send us an item you like to analyze by Reflectance Transformation Imaging (RTI) and receive the file with the surface model within 14 days. The model can be fully analyzed with a 30-days TRUVIS Authentica test license and exported to different file formats for unlimited use.

Contact us at sales@brnccolor.swiss with the code “CHNT2020RTI” to claim the free surface model.



Any questions,
comments,
feedback?



Email: info@brnccolor.swiss

Telephone: +41 61 485 85 85

Find your local brnccolor distributor:

<https://brnccolor.swiss/brnccolor-near-you>

