LABORATORY: CNR·ISTI - Visual Computing Lab

NAME OF THE INSTRUMENT

Dome lighting for the controlled acquisition of RTI – Reflectance Transformation Imaging; software tools to process the data collected and make them accessible on the web.

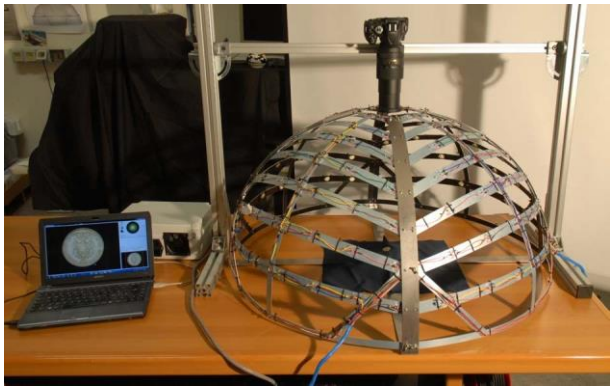
GENERAL DESCRIPTION:

Variable light images (Reflectance Transformation Imaging, RTI) are an image format that allows to acquire the reflectance characteristics of a surface and reproduce them at display time in an interactive way. It will enable the user to vary the direction of lighting incidence during the visual analysis of the results (http://vcg.isti.cnr.it/rti/).

TECHNICAL DESCRIPTION:

CNR ISTI has designed and developed a lighting dome (http://vcg.isti.cnr.it/rti/acquisition.php for the controlled acquisition of RTI images and all the software tools to process the data collected and make them accessible on the web (http://vcg.isti.cnr.it/rti/webviewer.php)

The CNR ISTI system allows the acquisition of objects in sizes ranging from a few millimeters to about a maximum of 25 cm in diameter.



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