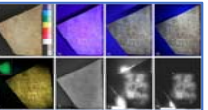


01_Laser_Beam_Transmission	RAW_data_Nanostar_LaVision	<b>Materials:</b> The experiment utilized a continuous wave argon-ion laser with a wavelength of 514 nm (green) and a beam diameter of 2 mm in single frequency operation at 800 mW power (Innova 90, Coherent). This laser was used as the light source. The low-light images were acquired with an image-intensified 12-bit camera, which is sensitive in the optical range from 190 nm (UV) to 900 nm (NIR), and has a resolution of 1280 x 1024 pixels (Nanostar, La Vision GmbH) using the lens of a Single-Lens Reflex (SLR) camera (AF MICRO NIKKOR 60 mm 1:2.8, Nikon). La Vision's DaVis 7.2.2 software recorded the images at various gain levels. The individual exposures were then processed using High Dynamic Range (HDR) software (Dynamic Photo 5.4.0, Mediachance).	
	HDR_image_processing_Nanostar		
02_Reflectance_Transformation_Imaging	RAW_DATA_Canon_EOS_250D	<b>Materials:</b> A digital SLR camera (Canon EOS 250D, 6000 x 4000 pixel, with Canon zoom lens, EF-S 18 – 135 mm, 1:3.5 – 5.6 IS USM, Canon) was used to take pictures. Eight LED spotlights (MR16 GU5.3 LED Spot   6 W 380 lm, 4000 K, 36°, 12 V DC, greenandco) illuminated the object. Two reflective black magnetic spheres were used for reference. The open-source library RelightLab-2024.11-windows (Visual Computing Lab - ISTI - CNR) and RTIViewer (Cultural Heritage Imaging and Visual Computing Lab) evaluated and visualized the data in the Dynamic Multi-Light and Specular Enhancement modes.	
	JPG_after_image_processing_Canon_EOS_250D		
	RTI_Maps		
03_Active_Thermography	Recordings_FLIR_T650sc	<b>Materials:</b> A thermal imaging camera (T650sc, 640 x 480 pixel, Teledyne FLIR) sensitive in the IR range from 7.5 to 13.0 μm was used to monitor the temperature drop on the surface. The marble was heated to 60°C with a heat gun (HL 2020 E, 2200 W, Steinell) prior to the recordings. The data was evaluated using a Python routine developed in-house (Python Software Foundation).	
	Phyton_algorithm_used_plus_results		
04_Visible_Light	Daylight_Canon_250D_Auto_WB	<b>Materials:</b> A digital SLR camera (Canon EOS 250D, 6000 x 4000 pixel, with Canon zoom lens, EF-S 18 – 135 mm, 1:3.5 – 5.6 IS USM, Canon) was used to take pictures. The close-up images were captured using a Macro Close-Up Conversion Lens (Raynox DCR-150, Yoshida Industry Co., Ltd., RAYNOX House). For the purpose of acquiring stereoscopic imaging, the Fujifilm FinePix Real 3D W3 model was utilized. Image processing was performed using StereoPhoto Maker (RingSurf Stereoscopic 3D Web Ring Net Ring, owned by Muttyan's Home Page).	
	Tungsten_lamp_Canon_250D_Man_WB		
	Stereo_Fujifilm_Finepix_Real_3D_W3		
05_UV_Fluorescence	Excitation_at_365nm_Canon_EOS_250D_auto_WB	<b>Materials:</b> A digital SLR camera (Canon EOS 250D, 6000 x 4000 pixel, with Canon zoom lens, EF-S 18 – 135 mm, 1:3.5 – 5.6 IS USM, Canon) was used to take pictures. The close-up images were taken with a Macro Close-Up Conversion Lens (Raynox DCR-150, Yoshida Industry Co., Ltd., RAYNOX House). A UV flashlight with a wavelength of 395 nm (LED 12, kizplays, 200 lm, 250 mW) and a UV flashlight at 365 nm (V4, DARKBEAM, 50 lm, 10 W) excited the fluorescence.	
	Excitation_at_365nm_Galaxy_A55_5G		
	Excitation_at_395nm_Canon_250D_auto_WB		
06_NIR_Transmission	RAW_data_Nanostar_LaVision_at_850nm	<b>Materials:</b> The low-light images were acquired with an image-intensified 12-bit camera, which is sensitive in the optical range from 190 nm (UV) to 900 nm (NIR), and has a resolution of 1280 x 1024 pixels (Nanostar, La Vision GmbH) using the lens of a Single-Lens Reflex (SLR) camera (AF MICRO NIKKOR 60 mm 1:2.8, Nikon). La Vision's DaVis 7.2.2 software recorded the images at various gain levels. The individual exposures were then processed using High Dynamic Range (HDR) software (Dynamic Photo 5.4.0, Mediachance). The object was illuminated by an LED spotlight (S1120B, Splenssy, 850 nm, 96 LED, 12 W). Some images were recorded with a NIR wildlife camera that was made focusable by means of an additional attachment lens with a focal length of 300 mm (VisorTech ZX7389-944).	
	HDR_image_processing_Nanostar_at_850nm		
	WLAN-FULL-HD-WILDKAMERA_WK-605-app_ZX-7389-657_at_850nm		
07_Raman_Test	Argon_ion_laser_514nm_Canon_EOS_250D	<b>Materials:</b> A digital SLR camera (Canon EOS 250D, 6000 x 4000 pixel, with Canon zoom lens, EF-S 18 – 135 mm, 1:3.5 – 5.6 IS USM, Canon) was used to take pictures. To filter out the laser wavelength a notch filter (ZET514TopNotch, AHF analysentechnik AG) was attached.	
08_X-Ray_Fluorescence	Protocol	<b>Materials:</b> X-Ray Fluorescence (EDX-8000, Shimadzu Corporation)	