

## CoreScan UV

Get more from your core

The CoreScan UV is the newest UV imaging tool supporting companies in mining and especially oil exploration. It is an important addition to the unique 360° drill core scanner.

The CoreScan UV can be operated as a stand-alone device or integrated in a CoreScan3 system. All existing CoreScan3 can be equipped with the CoreScan UV. Both tools can be operated by one laptop.

Maximum image dimension of the CoreScan UV and the CoreScan3 are identical. Single core up to a length of 1.05 m and core boxes up to 1.15 x 0.64 m are scanned with the CoreScan UV in one image within seconds. Since images are taken both under white and UV light, mixed images can be produced anywhere between 0% and 100%. Based on a special setup and a combination of different optical techniques, the occurrence of light scattering and ghosting under UV light is minimized.

The CoreScan UV and the CoreScan3 fit into the same transport box, which acts as a dark chamber for the CoreScan UV. Both devices are fully mobile and can be moved to and off site easily.



CoreScan UV



CoreScan UV in operation



## CoreScan UV

### Functions

- Applicable on any core drilling project
- Portable stand alone system
- Online global accessibility of core images
- UV and white light set up
- Mixing of UV and white light images
- Safety circuit included: UV operation only with closed doors

### Technical Specifications

- Dimensions: Length: 1.43 m, Depth: 0.85 m, Height: 1.82 m, Weight: 190 kg
- Set of white light LEDs and customized UV LEDs
- 0 – 100 % mixing of white and UV light images
- APS C format sensor camera
- Resolution: 5184 x 3456 Pixel
- Core length: up to 1 m
- Core box dimensions: up to 1.15 x 0.64 m
- Electric power supply: 100 -240 V, max. 280 W
- Connection: USB 2.0
- Control software: CoreScan3

### Services

- Sale of the CoreScan UV
- Training on the DMT CoreScan UV
- Sale of services
  - Imaging of drill core
  - Presentation of the UV fluorescence images in a continuous depth log



CoreScan UV in operation



UV technology inside

