

# Portal 2D + 3D Scanner



Generate 2D color images and 3D structures in one workflow

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The Portal 2D + 3D scanner have been developed especially to capture flat originals e.g. decors, papers, maps, wallpapers or leather. Even extremely fine structures and details are clearly visible thanks to the very high optical resolution and provide a better "high-end scan" for further processing

- + Both 2D + 3D versions guarantee a maximum of comfort in usage and a more efficient workflow
- + Besides RGB-color scan also 3D height information of the surfaces can be generated in a height map – and this in one single operation
- + Cruse offers models with different resolutions and speeds for special requirements



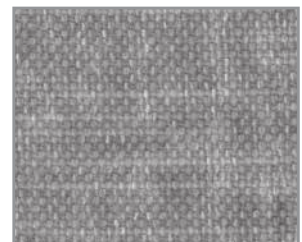
Wallpapers



Structures



Floorboards



Height maps

For further information please contact: [info@crusescanner.com](mailto:info@crusescanner.com)

[www.crusescanner.com](http://www.crusescanner.com)

## Scanner types

Portal 2D + 3D		
Type 1: 15 µm/px <sup>***</sup>	Type 2 : 30 µm/px <sup>***</sup>	Type 3: Portal 2D
Camera: Stereo Line Scan Camera (max height/Optical resolution) Sensor: Tri-linear CCD Sensor Optical resolution: 15 µm/px Height resolution*: 3 µm FOV (max. scan width per stripe): 40 mm Height range**: 2.5 mm	Camera: Stereo Line Scan Camera (very fast and larger height range) Sensor: Tri-linear CCD Sensor Optical resolution: 30 µm/px Height resolution*: 10 µm FOV (max. scan width per stripe): 105 mm Height range**: 8 mm	Camera: Line Scan Camera Speed: 100 x 100 mm = 7 min.
Sizes: 70 x 70 cm / 150 x 200 cm	70 x 70 cm / 150 x 200 cm	70 x 70 cm / 150 x 200 cm
* depending on object surface ** depending on object surface; well-structured can exceed the range *** Sample configurations, more informations on request		

## Including options:

- LED light system
  - Scan software
  - Realtime 3D calculation\*
  - Automatic stitching
  - 3D viewer / analyzing software\*
  - CRUSE Professional ICC Profiles
  - Fixed resolution
  - Vacuum board
  - Special diffuse tube lightning\*  
(reduces shadows / reflections on specular surfaces)
- \*only Type 1 + 2

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