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## **FOVEX Metric – from 231 Megapixel 360° images to high density coloured 3D point clouds**

Lustdorf /Switzerland – 17 September 2016. Swiss company Seitz Phototechnik AG and their software partner PhotoCore AG present the new FOVEX Metric device with FOVEX photogrammetry software for high-end spherical photography and 3D applications.

The new FOVEX Metric hardware consists of an integrated Nikon D750 digital SLR camera with 20mm lens and an updated Metric body. Calibrated at the Seitz laboratory for ultimate geometrical precision, the Metric device allows very precise alignment, thus ensuring that the 180x360° panoramas can be stitched with sub-pixel accuracy. Once the FOVEX Metric images are processed, the expected 3D measurement accuracy is 1cm in 10m.

Built for ultimate automation, FOVEX Metric triggers 15 images in single or optionally multiple HDR exposure. These images are stitched in FOVEX PanoMaker to create 360° spherical panoramas. The 360° images are then processed in FOVEX 360s photogrammetry software and a dense coloured point cloud is computed. Image capture takes approximately 1 minute and the subsequent processing including point cloud computation up to 25 minutes. Processing in FOVEX PanoMaker and FOVEX 360s is highly automated with little need for user intervention.

Typical FOVEX Metric applications are photography for virtual tours and 32-bit HDR panorama photography for CGI. Apart from these applications, FOVEX Metric enables also the colouring of point clouds created by laser scans, Building Information Modelling (BIM) and scene documentation for accident or forensic investigations.

Pricing is modular and starts at EUR 8,970 for the FOVEX Metric hardware only. FOVEX PanoMaker stitching software is priced at EUR 2,240 and FOVEX 360s photogrammetry software at EUR 5,600. The product is available for immediate orders.

For more information and product images visit the product website of FOVEX Metric:

[http://www.roundshot.com/xml\\_1/internet/en/application/d77/d1120/f1121.cfm](http://www.roundshot.com/xml_1/internet/en/application/d77/d1120/f1121.cfm)

High resolution product images are available for download at:

[http://www.roundshot.com/xml\\_1/internet/en/application/d137/d238/f1140.cfm](http://www.roundshot.com/xml_1/internet/en/application/d137/d238/f1140.cfm)