

Kuraves - Actis

Auto Crack Tracing Image System

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Kuraves-Actis enables crack detection from photos taken by digital camera. Cracks are detected with width, length, and can be saved as dxf format for CAD software. Kuraves-Actis can be widely applied to asset management of concrete structure such as bridge, tunnel, dam, road, slope, building, etc.



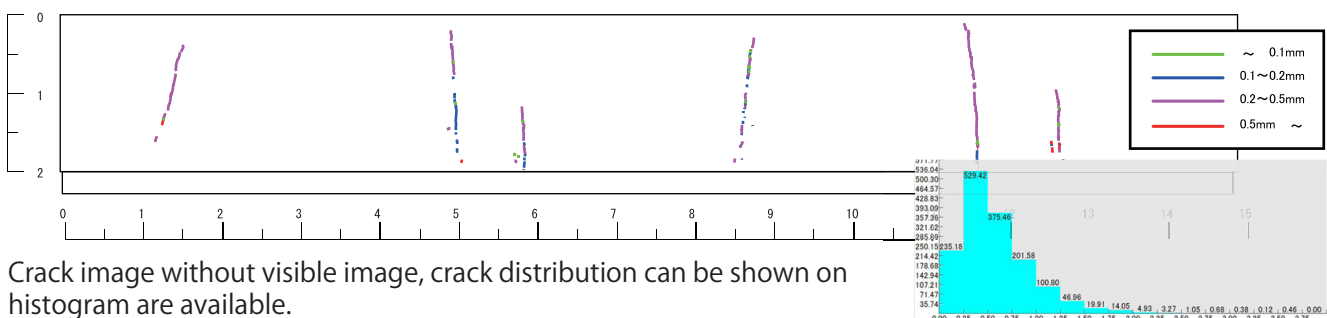
Stitching high resolution image on wide angle image.



Tilt modification and scale setting is available.



Cracks are automatically detected with size information in different color.



Crack image without visible image, crack distribution can be shown on histogram are available.

Example 1 Bridge, Tunnel, Dam, Slope, Road, Building, etc.



Example 2 Survey Systems with Kuraves-Actis (Tunnel Inspection Unit, Subway Tunnel Inspection Unit, Hybrid Infrared Inspection Unit "HIVIDAS")



System Composition

<Software>

Kuraves-Actis (Lens correction/Tilt modification/Image stitch/Scale setting/Drawing object/Crack detection/Vectorize/Layer/Width&Length calculation/Histogram/dxf output)

<Accessory>

Lens calibration board

<Hardware>

Digital camera Canon EOS 6D EF24-15mm (20.2mega pixel)

Zoom lens Canon EF70-300mm

Camera battery/Lens protector/Remote switch/Speed Light&Compact battery

/Memory card 64MB/Case

Carbon tripod/Geared head platform/Panorama plate



KURABO INDUSTRIES LTD. Advanced Technology Division
Advanced Technology Center
14-30, Shimokida-cho, Neyagawa, Osaka, 572-0823 JAPAN
TEL+81-72-812-5206 FAX+81-72-812-5263
Web: <http://www.kurabo.co.jp/> Email: info-cad@ad.kurabo.co.jp