

From 2D measurement to 3D measurement

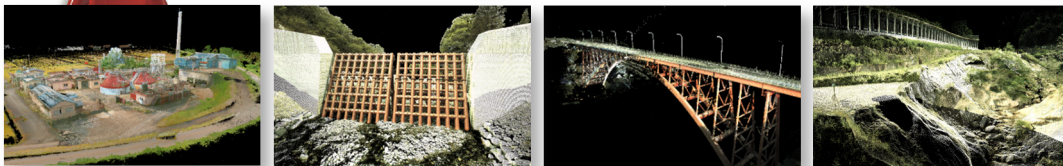
TOPRISE contributes to society with our technology and proven experiences.

3D Laser Scanner



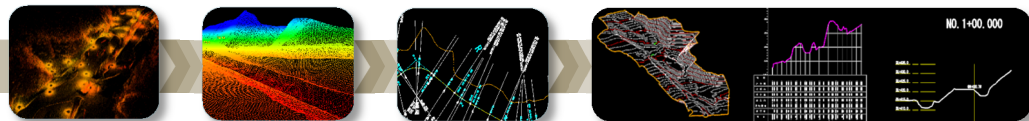
Using an irradiating laser, this machine obtains 3D point cloud data. It can represent the actual measurement of objects. This machine is useful for surveying, civil engineering, construction, cultural property management, etc.

- NETIS registered number **HR-060028-V**
- Bureau of Construction, TOKYO METROPOLITAN GOVERNMENT new technology registered number **1501002**
- NNDD registered number **1151**



From 3D data to 2D CAD drawings

This scanner can create 3D topography data using point cloud data. It also conducts extractions of optional cross section, to create 2D CAD drawings.



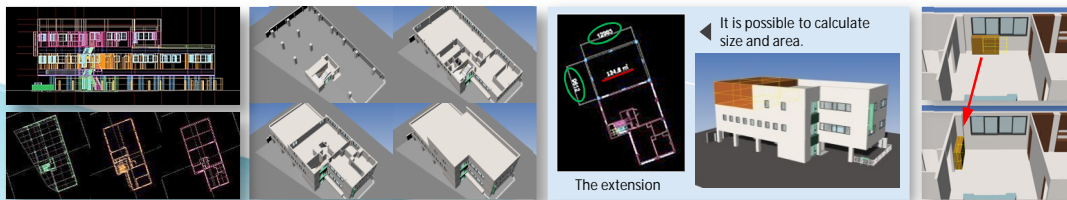
3D point cloud data Mesh data Cross-section extraction 2D CAD drawings

From 3D point cloud data to modeling

This scanner can create 3D models from point cloud data. It can reproduce the current condition of things with accuracy, it is useful for maintenance and disaster prevention.



3D point cloud data Cross-section extraction 3D modeling

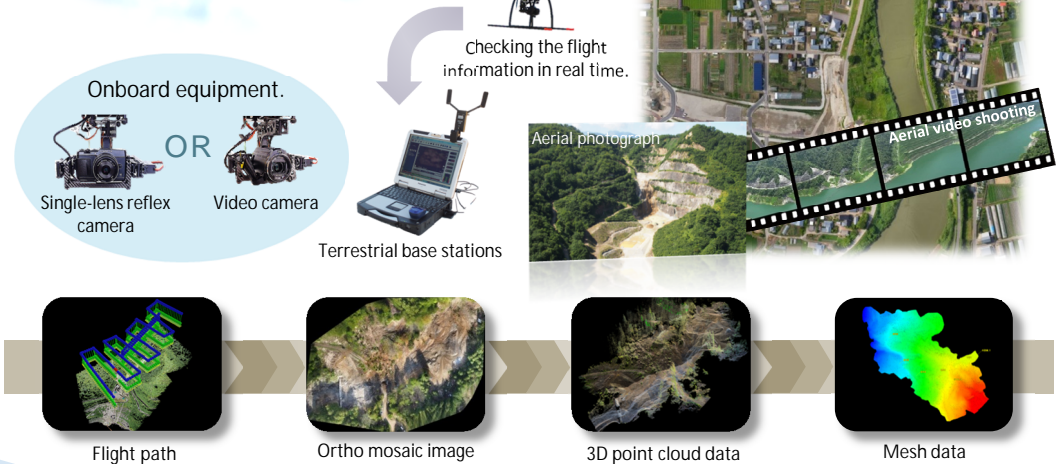


Wire frame and plan Modeling of each floor The analysis for extension and renovation The simulation for furniture arrangement

UAV



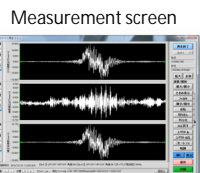
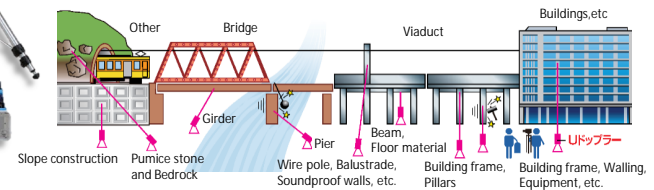
UAV (Unmanned Aerial Vehicle) films from the sky with various equipment using single-lens reflex camera. It is possible to shoot a high quality video camera as well.



U-DOPPLER



By using the Laser Doppler Effect, this machine measures the characteristic vibration of structures, flexure of bridge piers and inspects their structural integrity. In addition, it can be widely applied to such things as viaducts, bridge pier, outer walls of constructions, contact wire and other various equipment.



Measuring flexure of bridge girders Integrity evaluation of bridge piers Measuring structural frequency Stability evaluation of bed rocks slope