SOLID-LOOK

Technical Characteristics

Stereoscopic display
Barrier, Lenticular or Holographic, projectors single or dual system.

Stereoscopic cameras
High Definition up to 1280x1024 at 60 frame per second in real time. Visibile Spectrum, IR, FLIR, Thermal Color with weather, underwater and radiation resistant enclosure.

Eye and head tracking
No wearable required to position the camera on target. Stereo Camera is controlled by eye movement.

Stereo images stabilization

Strong identification and authentication
Fingerprint for identification, authentication and authorization of operators.

High-end central processor unit
Dual / Quad Processor and specialized graphic support. Each image is treated separately.

Authentication, encryption and timestamping
Digital signature (RSA 4096), encryption (AES 256) and RFC 3161 Timestamp of images.

Modular customizable solution

Stereoscopic Real-Time Vision System

Solid-Look is a complete modular stereoscopic vision system.

It allows the operator to visualize and capture stereoscopic video images using multiple brand and types of cameras and multiple display devices.

The images captured are synchronized, preserved (digitally signed and encrypted) and stored (separate files for left and right eye) in real-time.

Metadata information are added to each stored files to search during post-capture.

A powerful playback system allows the user to select multiple format according to preferred display system.

The system modularity allow to use analog cameras (fixed and zoom lenses) and high resolution digital cameras (720p, 1080p, 1280x1024 up to 60 frame per seconds).

Solid-Look OPENGL standard output allow to use auto-stereoscopic flat panel display from Sharp to DTI as well as dual output device like (Planar, NeuroOK and 3Dat Holographic) and multi-brand of digital projectors (single or dual input).

Cameras and displays are provided according to the users need.

Solid-Look can be customize specific cameras/displays or functionalities (i.e. camera PIP, still picture capture, DICOM codification etc.)

Keys to authenticate and make images confidential are provided.

A legal evidence of integrity and authenticity together with presence in time and confidentiality of the captured images are a post-capture requirement for many customers, agencies and private companies in order to bring the video as a proof.

Video editing will be available in the next release while eye tracking for hand-free camera movement and video export for external storage and backup are provided.

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