

Multi purpose use and functionality instead of single stand alone solutions. Individual Remote visual inspection equipment is typically limited to a limited range of applications. Different physical requirements call for investments into different tools. Inspection data is often landing with different formats at different systems. Finding the right images, film and data and getting it together for a consolidated report can be time consuming and costly. Data integrity, documentation and data storage is often becoming a night mare. The new MATRIX platform from viZaar is an end to all that. MatriX is a single platform dealing with your existing RVI data and equipment as well as offering a one hub to a full range of inspection equipment starting at micro fibre endoscopes for miniature valve inspection and ending with pan and tilt cameras to visualize and inspect big vessels via a hand hole.

NEW INVIZ MATRIX platform

The one box platform for all your RVI inspection needs!

The new product will be introduced at the AICHEMA 18- 22 June show with the production starting in July.

Connectivity > Image presentation> Analysis >Documentation > Communication >Data storage

From the smallest micro fiber scopes to pan & tilt vessel inspection cameras, the MATRIX will easily connect, visualize and collect all your data digitally. The INVIZ MATRIX utilizes any existing video equipment and the complete INVIZ inspect series for you, providing digital image and storage functionality which is setting the new standard in RVI.

Connectivity

Video sources from existing tape recordings, video endoscopes or any conventional endoscopes utilizing a camera adapter. Of course all of viZaar's INVIZ products and FORT's VISIO probes are compatible. With the integrated joystick you're controlling the pan & tilt movement of the INVIZ SNK with ease. Convert analogue data to digital still and digital video format and utilize all your existing inspection equipment.

Image presentation

Benefit of the high resolution digital image presentation on the interactive MATRIX touch screen display which is nicely integrated in the box and tilts up easily. Releasing the fast lock, the high resolution display comes out of the box and turning into a full featured remote control. Existing data will be easy at hands utilizing a well structured file system and thumbnail content presentation.

Analysis

Simple graphic user interface allows the activation of digital image enhancement tools. Zoom into the area of interest, center the area of interest, image rotate, flip and mirror to improve and enhance the data you analyze. A free hand arrow will point clearly out what is important. Use position unbound reference charts or images. Free text will finally conclude the analysis turning data into valuable information.

Communication and Documentation

Protected by a four digit key, nine different user profiles separate and secure your valuable data and help uploading predefined text windows accelerating the workflow. Using your individual file names ensure clear file structures and easy storage. Thumbnail content presentation is helping fast data search. Digital images can be stored in different resolution and contain graphics, text and voice command. Images and video files are Windows compatible for easy sharing and post processing with standard Windows programs.

Data management and storage

Data can be stored internal and external. Over 60 hours of high resolution digital video or thousands of digital images can be saved onto the internal robust SSD drive. Connecting any USB storage device, the internal data can be moved, back ups created or live data directly be saved on the external device. Data size can be selected for maximal resolution or minimal data if perhaps transferred via mobile phone.

About viZaar AG

We improve our customer product and manufacturing quality with the most modern camera and visual inspection techniques. Inspecting and documenting inaccessible places, temperatures or high speed processes, we help our customers from very different industries to visualize and analyse problem areas, to avoid accidents, production rejects and achieve the shortest down times. Combining different camera and inspection techniques, we achieve high quality affordable results. viZaar develops and manufactures remote visual inspection equipment, special OEM cameras, industrial endoscope systems and provides a hot shop for the nuclear industry. Our certified inspection and service department offers inspection services, rentals and camera repair.

If image material or articles are required, please contact:

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