Mentor Visual iQ

Put the power of productivity in your hands.

Introducing the portable, connected VideoProbe™ from GE with 3D phase measurement.
The most precise detection. Faster.

Today’s aerospace, power generation, and oil and gas industries depend on precise critical inspections to keep aircraft flying, power plants online, refineries running and wells producing. Visual inspections can detect indications that help asset owners make better decisions about planned downtime and repairs, resulting in improved performance and reduced chances of serious equipment failures.

At GE, we understand the value of uptime and provide experts with a better video borescope choice—the Mentor Visual iQ VideoProbe™. With state-of-the-art 3D phase measurement and analysis, it accurately detects visual indications such as corrosion, blockages and cracking. Its superior image quality and faster, more precise detection is forever changing the inspection landscape.
Connect in real time, get inspections done in no time.

When expert advice or a second opinion is needed during an inspection, you need to collaborate instantly. Today's Mentor Visual iQ is built for real time collaboration, with Bluetooth keyboard and headset, and Wi-Fi connectivity that allow inspectors of all levels to work together on the fly. And soon, inspectors will have the capability to share screens, share images, gather opinions and even make notes in real time with Inspection Connect. This can be a lifesaver when confined spaces or difficult inspecting conditions make access a challenge, or when collaborating across continents or over oceans. With expert advice on hand, the Mentor Visual iQ reduces downtime so you have more uptime.

Collaboration

**Expertise In Hand**

**Intuitive innovation.** Mentor Visual iQ's interface makes sense right out of the box. Menu Directed Inspection (MDI) guides users through the inspection process and organizes results for simplified reporting. The easy-to-use touchscreen interface, on-screen keyboard and ergonomic buttons reduce inspection time. Create and customize profile setups for multiple users or applications, and access on-device manuals and context-based inspection support files. And with advanced file management, it’s easier to store, organize and report large volumes of inspection data.
Innovative Design

Performance meets portability. Mentor Visual iQ combines the portability you want with the powerful processing you need. On-demand 3D phase measurement helps you make better asset decisions. Meet a variety of inspection needs with interchangeable probes and tip optics, as well as custom profiles. The touchscreen interface enables faster navigation, precise cursor placement, and on-screen typing and annotation to speed up inspections. Designed and tested to recognized civilian and military standards (IP67, MIL-STD-810G and MIL-STD-461F), the device is dependable in the field. And at just 6.75lbs with a lithium-ion battery, the aircraft compliant Mentor Visual iQ stores in overhead compartments for easy mobility.

The power of connectivity
Bluetooth and Wi-Fi enabled for easy collaboration

Crisp image quality
High-intensity light source and advanced image processing for clearer, sharper video and still image quality

Flexible solutions
Interchangeable probes and tip optics to meet the toughest inspection challenges

Advanced detection & analysis
Innovative 3D phase measurement and cutting-edge MDI data management
Greater mobility
Portable, ergonomic 6.75lb design with aircraft compliant lithium-ion battery

Easy to use
Intuitive touchscreen interface and individual user profiles, with context-based inspection support preloaded on the device

Rugged durability
Designed to IP67, MIL-STD-810G and MIL-STD-461F standards to withstand the toughest inspection environments

Collaboration
Connect in real time, get inspections done in no time. When expert advice or a second opinion is called for during an inspection, you need answers fast. That's why Mentor Visual iQ is built for real-time collaboration. With Wi-Fi enabled Bluetooth keyboard and headset, inspectors of all levels can work together instantly. Inspectors will be able to share screens and images, gather opinions and even make notes in real time with Inspection Connect—no matter the environment or distance between them.
Aerospace

- Extreme image quality and lighting enhances Probability of Detection (PoD) in all turbine stages
- 3D phase measurement surface scanning and analysis for fast and accurate Go/No-Go’s
- Menu Directed Inspection (MDI) stores AMM workflows, catalogs images, and generates reports on demand
- Share inspection analysis easily with remote experts to significantly reduce AOG and inspection time
- Create user-defined profile setups based on specific inspector preferences, airframe or power plant type
- Lightweight, ergonomic IP67, MIL-STD-810G and MIL-STD-461F design improves the shop and flightline inspection process

Reducing downtime for more uptime.
Oil & Gas

- Designed to IP67 specifications with durability to stand up to the toughest field conditions on a rig, column or turbine unit.
- Superior image quality and illumination to inspect large areas such as tanks, headers, vessels and meter tubes.
- Interchangeable probes with multiple lengths and diameters allow for FFP/BOP inspections of a variety of assets.
- 3D phase measurement surface scanning and analysis helps determine accurate indication depth and size.
- Remote collaboration for inspection advice in confined spaces or remote areas.
- Streamlined service means more uptime when it counts.
Power Generation

- Handheld portability makes inspections in difficult access areas faster and easier
- Menu Directed Inspection (MDI) enables faster, more accurate compilation of inspection data and reports
- User-defined profile setups accommodate specific inspector preferences, or inspections by plant type
- IP67-designed durability for rugged inspection conditions
- Crisp image quality improves Probability of Detection (PoD) of FAC, pitting, cracking, wear and tip rub
- Touchscreen interface and 3D phase measurement allow for faster, more precise inspection analysis
General Inspection

- Faster, more accurate inspections for pumps, motors, generators, pulp and paper rollers, gear boxes, pipes, tubes, purity pipes, turbines, compressors, large pistons, chillers, valves, gun barrels, mortar tubes, Homeland Security, and maritime surveying
- IP67, MIL-STD-810G and MIL-STD-461F designed for durability in any work environment
- Interchangeable probes with multiple lengths and diameters allow for more inspection areas with a single system
- Touchscreen interface for intuitive operation, with extreme image quality for enhanced Probability of Detection (PoD)
- Menu Directed Inspection (MDI) holds RVI workflows, catalogs the inspection images and generates reports on demand
- Remote collaboration for inspection advice in confined spaces or remote areas
Streamlined Service

Downtime is costly, and when it strikes you need instant access to the repair experts who will get your asset up and running again. Our streamlined repair service allows for fast diagnosis and expedited repair so that the Mentor Visual iQ is back where you need it—in your hands.

Another Example of How GE Works

The Mentor Visual iQ from GE combines intelligent machines, data and people to deliver more productivity. This industry-changing video borescope provides the portability, powerful features and collaboration needed for faster, more accurate decisions. Internet connectivity will allow you to connect remotely and share images and data on the job site or around the world.

Contact your sales representative for a demo.

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