

GE  
Measurement & Control

# 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.







## 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 Quick Change 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 (IP65, 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 air travel 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**  
Quick Change probes and tip optics to meet the toughest inspection challenges



**Advanced detection & analysis**  
Innovative 3D Phase Measurement and cutting-edge MDI data management





## 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.

### Greater mobility

Portable, ergonomic 6.75lb design with air travel 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 IP65, MIL-STD-810G and MIL-STD-461F standards to withstand the toughest inspection environments





# Reducing downtime for more uptime.



## Aerospace

- Extreme image quality and lighting enhances Probability of Detection (PoD) in all engine 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 IP65, MIL-STD-810G and MIL-STD-461F design improves the shop and flightline inspection process





## Oil & Gas

- Designed to IP65 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
- Quick Change 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 for pitting, cracking and corrosion
- 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
- IP65-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, compressors, large pistons, chillers, valves, gun barrels, mortar tubes, Homeland Security, and maritime surveying
- IP65, MIL-STD-810G and MIL-STD-461F designed for durability in any work environment
- Quick Change 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.**

[ge-mcs.com](http://ge-mcs.com)

