vuforia® expert capture™

IMPROVE WORKFORCE EFFICENCY

Vuforia Expert Capture is an easy-to-use SaaS AR solution designed to make frontline work more efficient. It enables companies to capture the domain knowledge of experts and leverage 3D data to easily create, deliver, and scale step-by-step work instructions and AI-enhanced inspection procedures.

Reach New Levels of Efficiency

Millions manufacturing jobs cannot be filled due to a growing skills gap. Pair that with a retiring workforce, increasingly complex products, inefficient training methods, and strict compliance and safety requirements, and there becomes a need for transformation. Vuforia Expert Capture addresses these challenges by capturing and delivering the institutional knowledge of your experts to the rest of your workforce. Easy access to standardized, first-person view instructions and artificial intelligence (AI)-enhanced visual inspection greatly improves workforce efficency, increases quality, and reduces downtime all while achieving high levels of safety and compliance.

The Power of Augmented Reality Made Easy

By using the Vuforia Capture app on an AR headset, experts can capture first-person, step-by-step video of procedures as they perform them. The entire capture process is controlled by voice commands, gestures, and includes location-based steps. Experts can also create AI-enhanced inspection procedures with the Vuforia Vantage app that can be paired with captured video and image content. Once a procedure has been captured, it can be revised and enhanced before publishing. When an employee is ready to use the AR work instructions or inspection procedures, they can access them through the Vuforia Vantage app.

WHY VUFORIA EXPERT CAPTURE?

Faster Time-to-Value for AR
Quickly create and share expert procedural guidance and AI-enhanced visual inspection along with new or existing video captures and 3D CAD data.

Spatial Location Awareness
Improve accuracy, safety, and efficiency by connecting each step of a procedure to specific locations and objects as required for task completion.

Edit, Enhance, & Deliver
Drag-and-drop your captured steps, additional content, and multiple procedures in the purpose-built procedure editor and keep it up-to-date dynamically for multiple formats.

AI-Enhanced Procedures
AI-enhanced visual inspection procedures provide clear pass or fail notifications through AR digital overlays, improving overall quality and reducing costly scrap, re-work, and product recalls.

Foster Continuous Improvement
Stakeholders can easily analyze the critical data and insights gathered at the frontline to identify patterns and opportunities for process improvement and facilitating corrective action.

Learn more at www.ptc.com/augmented-reality

✓ **Decrease time to productivity**   ✓ **Improve product quality**   ✓ **Reduce scrap & Lower costs of re-work**

✓ **Minimize injuries & safety related penalties**   ✓ **Improve first-time fix rates & SLA compliance**

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Easy As 1, 2, 3:

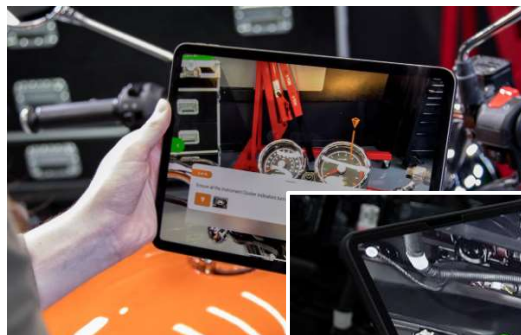| **Capture Expertise**	**Enhance Expertise**	**Transfer Expertise**

Where and How You Need It

Vuforia Expert Capture gives workers and new hires access to in-context expert knowledge and AI-enhanced visual inspection procedures on a wide range of devices. The **Vuforia Capture** application can be used on HoloLens 2 and RealWear devices to record the procedures, allowing the expert to be hands-free as they walk through their instructions. Finalized procedures can be consumed via **Vuforia Vantage** on HoloLens 2, Realwear, and leading phones and tablets. For help with consistent and complete compliance documentation, procedures recorded on Vuforia Capture can be exported to Microsoft® Word documents.

Scalable SaaS AR work instructions

- **Improve knowledge transfer** by offering an easy-to-learn solution to capture and share domain expertise on-the-job

- **Accelerate digitization of work instructions** by leveraging video captures and CAD-based AR instructions

- **Increase quality and customer satisfaction** with automated visual inspections using artificial intelligence to guide workers with AR overlays and warnings