**MotionCam-3D Color (Blue)**

**The Next Generation of High-Speed 3D Vision**

Photoneo’s MotionCam-3D Color (Blue) sets a new benchmark in industrial 3D vision—delivering **sub-millimeter accuracy** even on **moving objects** at speeds up to **90 mph (144 km/h)**. It combines Photoneo’s award-winning structured light technology with **AI-ready RGB color data**, enabling high-speed, high-fidelity scanning in any environment—from daylight to extreme heat.

With a **50% performance boost**, **25% better reconstruction** of challenging materials (transparent, glossy, reflective), and **zero-maintenance downtime**, this sensor helps your customers unlock new levels of **automation efficiency**, **inspection accuracy**, and **application throughput**.

**Key Benefits at a Glance**

* **50% boost** in 3D scanning performance - speed, range, and accuracy
* **97% of Logistics & Automotive SKU’s are pickable**, including transparent and glossy surfaces
* **AI-ready RGB data** for inspection, analytics & digital twinning
* Works in **direct sunlight** and on hot metal surfaces over **1200°C / 2200°F**
* **Autonomous maintenance**— no marker patterns and tedious setups
* Captures **high-quality 3D scans in motion**—up to 20 fps

**Standout Features**

* **Best-in-Class Resolution & Accuracy**  
  Sub-millimeter detail, even at high speeds and long ranges.
* **Transparent & Reflective Object Scanning**  
  25% better reconstruction of the most difficult materials.
* **AI-Ready RGB 3D Data**  
  Unlocks new possibilities in machine learning and quality control.
* **Zero Maintenance Downtime**  
  One-click automous maintenance—no setup, no markers, no manual intervention.
* **GigE Vision Plug & Play**  
  Seamless integration into existing systems with no custom drivers needed.
* **Ambient Light Resistance**  
  Reliable scans even under direct sunlight or harsh industrial lighting.

**Ideal Use Cases**

**Automotive**

* In-line robotic welding & assembly in motion
* High-speed quality control on moving parts
* Overhead conveyor scanning for swinging or irregularly moving parts

**Logistics & Warehousing**

* Dimensioning and parcel measurement on moving conveyors
* Transparent & dark object picking with up to 97% pickability
* Real-time digital twins for bin picking and load optimization

**Manufacturing**

* High-temp metal inspection (over 1200°C / 2200°F)
* Autonomous robot guidance and AMR shelf picking
* Large object scanning (sandblasting, painting, QC)