



# General overview



# The Standard of Trust for Physical Objects

Protecting human lives,  
brands, and national security

TRUSTED BY



DOJO



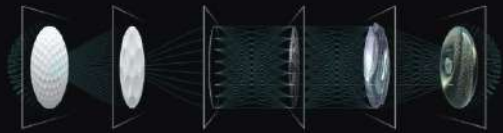


**Veracity Protocol enables any camera to create a tamper-proof Physical Code™ based on an item's material structure.**

**This secures the authenticity, identity, and security of physical objects — all without the need for special hardware, embedded tags, chips or markers.**



## How it works



### Material Structure

Every physical object has its own unique material structure and characteristics.



### No Proprietary Hardware

Veracity Protocol enables any camera to capture these characteristics and create a tamper-proof Physical Code™.



### Physical Code™

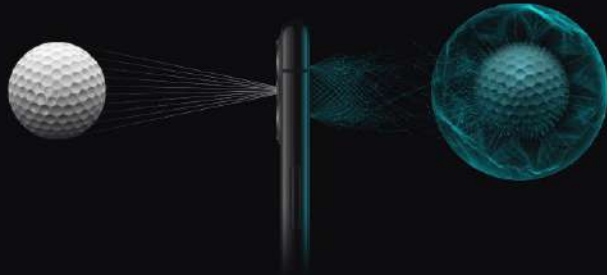
This allows anyone to verify an item's authenticity, detect anomalies, and check for product tampering.



**Veracity Physical Code™ is a non-invasive and tamper-proof solution to represent an item's physical structure.**

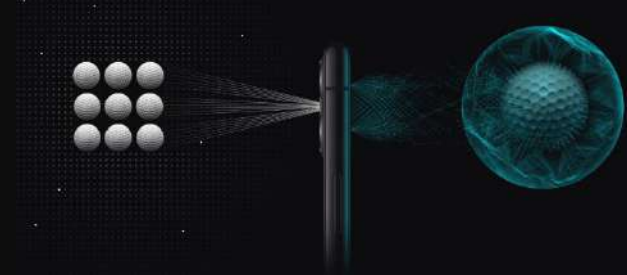


## Types of Physical Code™



### Individual

Individual Physical Code™ protects each product on an individual basis.



### Batch

Batch Physical Code™ protects 100% of products in a batch, using only a small sample.

# Advantages



## High accuracy in wild conditions

99.7% accuracy with real-world applicability works in various light conditions, angles, and on many materials.



## Robust dataset

The Veracity AI Model™ uses a robust proprietary dataset with tens of millions of images.



## Fast verification on a smartphone

The entire process is simple, fast, and available on your smartphone today.



## Solution flexibility

Works across all sectors and many materials. Even when 80% of the Physical Code™ is damaged. No external security elements, proprietary hardware, nor changes to the manufacturing are needed.



## Key parameters

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99.7%

Accuracy

100%

Tamper-proof

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Up to 0.1 s

Industrial set-up speed

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Up to 3.0 s

Mobile speed





APPLICABILITY 1/4

# Critical Electronics & Semiconductors

- Enabling secure & transparent supply chain
- Allowing authenticity protection and verification
- Detecting compromised hardware, tampering and anomalies
- Unprecedented track & trace down to a component level

APPLICABILITY 2/4

# Identity & Security Documents

- Helping governments, printers, and KYC providers
- Automating QA & Visual Inspection in manufacturing
- Allowing verification of authenticity of ID documents
- Detecting tampered or altered ID documents

APPLICABILITY 3/4

## Secondary Marketplaces

- Enabling automation and trust for secondary marketplaces
- Automating batch authentication of apparel and luxury items
- Individually protecting collectibles and memorabilia
- Rapidly increasing reliability and efficiency

# Blockchain & Industry 4.0

- Securely linking physical items to any database or blockchain
- Allowing anyone to create an immutable Digital Twin of an item
- Enabling reliable track & trace, provenance and ownership transfer
- Empowering machines to be able to verify physical objects



# Why to use Veracity Protocol



## **Cut down costs and streamline processes**

Verify the authenticity of your products anytime, anywhere.



## **Empower & engage your end-customer**

Ensure quality assurance for your products in a fully automated way with low costs.



## **Instant brand protection solution**

Prioritize security by detecting unauthorized changes, tampering or manipulation of your products.



# Services



## Authenticity Protection

Verify the authenticity of your products anytime, anywhere.



## Automated QA

Ensure quality assurance for your products in a fully automated way with low costs.



## Tamper Detection

Prioritize security by detecting unauthorized changes, tampering or manipulation of your products.



## Immutable Twin

Create an immutable digital twin of any product that securely connects its physical form to a digital entry in any database (including blockchain).

# Get in touch

Let's build a safer world together.

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