

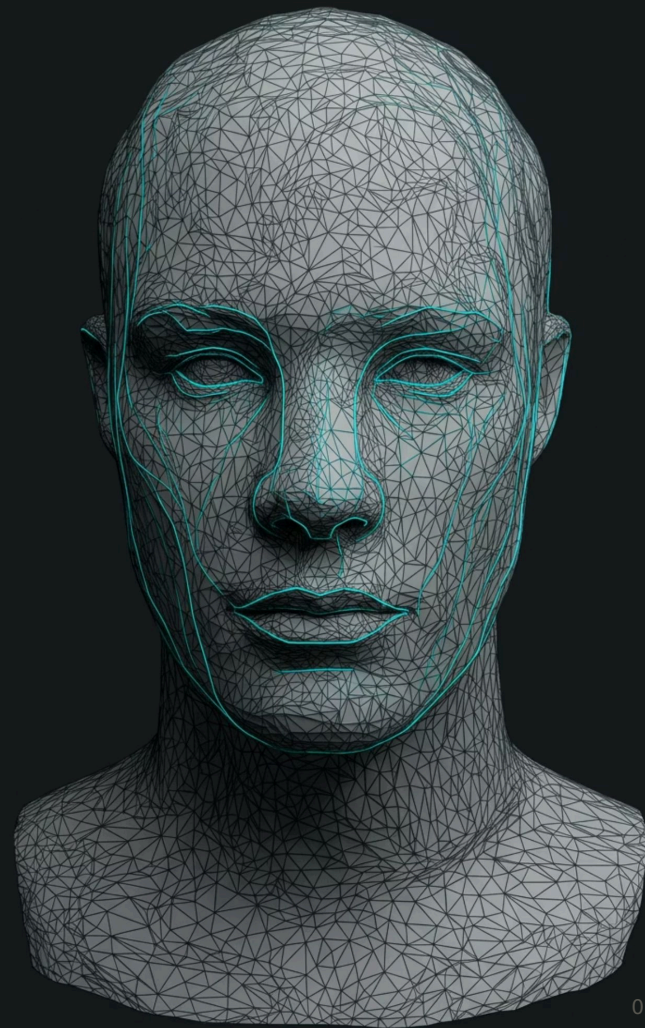
# UniScan

Real-time RGB-D 3D scanning and mesh tracking — powered by the TrueDepth sensor already in your pocket. Built for consistency, repeatability, and structured health monitoring at scale.

INVESTOR PITCH DECK

SEED ROUND · \$500K-\$1M

a product of BIHS Technologies · [uniscan.app](https://uniscan.app)



# 3D Capture Exists. Longitudinal 3D Monitoring Doesn't.

Capturing a single 3D model is a solved problem. But **tracking how a body, muscle, or skin lesion changes over time** — consistently, repeatably, and without expensive hardware — remains largely unsolved for everyday users and clinical follow-up workflows alike.

Health practitioners, fitness coaches, and patients need structured 3D history, not one-off snapshots. The gap between what's technically possible and what's practically accessible is enormous.

## What's Missing Today

- No affordable tool for repeatable 3D body measurement
- Photogrammetry apps prioritize looks, not consistency
- Professional scanners are out of reach for most users
- No structured scan history or comparison layer

THE SOLUTION

# UniScan

UniScan turns the iPhone into a **real-time RGB-D 3D scanner with sub-millimeter accuracy** — capturing synchronized color and depth data, reconstructing accurate meshes in seconds, and building a structured history of scans for meaningful comparison over time.

Powered by Apple's TrueDepth structured-light sensor (iPhone X and later) — **no extra hardware, on-device processing, privacy by default.**



# Scan From Any Angle — With Android Remote Control

The Remote Control feature turns any Android device into a full remote for the iOS UniScan app — eliminating the awkwardness of self-scanning hard-to-reach areas and making solo body monitoring practical.

## 1 · Position iOS Device

Place the iPhone exactly where it needs to be for the perfect scan angle, unconstrained by direct interaction.

## 2 · Stream to Android

The iOS app's live feed and interface mirror in real time onto the paired Android device over Wi-Fi.

## 3 · Control Remotely

Initiate, pause, and adjust scan parameters directly from the Android phone.

## 4 · Capture Any Angle

Scan your back, sides, or other difficult areas — ideal for clinical, fitness, or solo use.

No specialized hardware required — just an iPhone and any second Android phone. A Windows companion adds Wi-Fi streaming and GPU-accelerated mesh fusion for larger scans.

# The Body as a Dataset — Where Longitudinal 3D Monitoring Wins

UniScan is purpose-built for **health and body monitoring use cases** where visual, non-invasive measurement can replace or augment clinical tools — high-value, underserved markets where repeatability is the product.



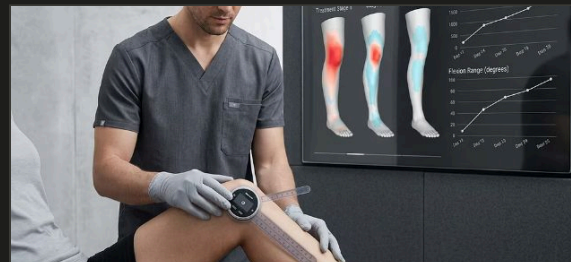
## Fitness & Muscle Tracking

Athletes and fitness clients track hypertrophy, atrophy, and body-composition change with objective 3D measurement — session over session, without calipers or DEXA scans.



## Dermatology & Skin Monitoring

Moles, lesions, and skin irregularities measured for size, shape, and surface change over time — structured follow-up without a clinic visit for every check.



## Rehabilitation & Recovery

Physical therapists and patients objectively measure recovery — limb volume, shape change, and swelling reduction across treatment sessions.

# Measurement You Can Trust — Or It Isn't Health Data

Health-grade positioning stands on measurement quality. UniScan's pipeline is engineered for **sub-millimeter accuracy and, above all, repeatability** — the same protocol, pose guidance, and reconstruction settings on every scan, so change you see is change that happened.

- TSDF-based fusion of synchronized RGB + depth frames
- Guided capture protocols normalize distance, lighting, pose
- Scan-to-scan registration for true differential measurement

## Validation Results internal bench testing

Measured against ground truth — all under 1 mm:

- Circumference vs. tape measure **< ± 0.8 mm**
- Lesion diameter vs. dermatoscope **< ± 0.5 mm**
- Surface vs. reference scanner **< ± 0.7 mm**
- Scan-rescan repeatability **< ± 0.6 mm**

Published protocol and independent third-party clinical validation are seed-round milestones.



## MARKET OPPORTUNITY

# A Convergence of Growing Demand

UniScan sits at the intersection of three expanding markets: **mobile health monitoring, 3D content creation, and personalized wellness tech.**

**\$483B**

global digital health market, 2026  
(Precedence Research)

**\$1.17T**

projected by 2035 · 10.8% CAGR

**1B+**

active iPhones; every Face ID model  
(2017+) carries the TrueDepth sensor

**4**

monetizable verticals: fitness,  
dermatology, rehab, 3D content

# Scanners Make Models. UniScan Makes Measurements.

| Capability                        | UniScan | Polycam / Scaniverse<br>general 3D capture | Heges / Scandy Pro<br>depth scanner apps | Styku / Fit3D<br>fixed booth scanners | 3DLook / in3D<br>photo-based avatars |
|-----------------------------------|---------|--------------------------------------------|------------------------------------------|---------------------------------------|--------------------------------------|
| True depth-sensor measurement     | ✓       | partial                                    | ✓                                        | ✓                                     | estimated                            |
| Repeatable guided protocol        | ✓       | —                                          | —                                        | ✓                                     | —                                    |
| Longitudinal history & comparison | ✓       | —                                          | —                                        | ✓                                     | limited                              |
| Health & clinical focus           | ✓       | —                                          | —                                        | ✓                                     | apparel                              |
| No extra hardware                 | ✓       | ✓                                          | ✓                                        | \$10K+ booth                          | ✓                                    |
| Remote-control solo capture       | ✓       | —                                          | —                                        | n/a                                   | —                                    |

General scanning apps optimize for pretty one-off meshes. Booth systems deliver repeatability at \$10,000+ and a fixed location. **UniScan is the only player combining true depth measurement, a repeatable protocol, and longitudinal comparison on hardware people already own.**



# Objective body monitoring. Accessible from a phone.



## Accessible Healthcare

Brings body-monitoring tools to anyone with an iPhone — no clinic, no cost barrier.



## Measurable Recovery

Turns subjective progress in rehab, post-surgery, or therapy into objective, trackable data.



## Earlier Change Awareness

Empowers users to detect changes early and make informed decisions about their own health.

# Aligned with the UN Sustainable Development Goals

3

## Good Health & Well-Being

Enables accessible, objective body monitoring for anyone with an iPhone. Supports early detection, recovery tracking, and longitudinal health data — without clinical infrastructure.

10

## Reduced Inequalities

Democratizes access to medical-grade body measurement tools previously available only in clinical or research settings. Puts precision health monitoring in the hands of underserved populations.

9

## Industry, Innovation & Infrastructure

Builds new health-tech infrastructure on top of existing consumer hardware. Turns a billion deployed smartphones into a distributed medical sensing network.

# Freemium Foundation, Multiple Monetization Layers

## Free Tier — Core Scanning

On-device scanning and basic mesh export. Drives acquisition and establishes the habit of 3D capture.

## Premium — \$12.99/mo or \$99/yr

Scan history, longitudinal comparison tools, measurement analytics, advanced visualization — the core health-monitoring value.

## Cloud Reconstruction Credits — from \$1.99/scan

Pay-per-use or bundled GPU processing for clinical-grade high-fidelity output.

## Professional & Vertical APIs — custom

B2B offerings for fitness studios, dermatology clinics, and rehab networks — white-labeled or API-integrated.

## Why This Model Works

Freemium lowers acquisition cost while comparison and history features create strong retention — users who build a scan history have a compelling reason to stay subscribed.

Cloud reconstruction adds a high-margin usage layer that scales with engagement.

Professional verticals are the long-term ceiling — practitioners and clinics pay more, more predictably, than consumers.

Working hypothesis: 5% premium conversion — validated during the seed round.

WHY NOW

# The Hardware Is Already Deployed

**1B+**

## Active iPhones

A massive installed base — every Face ID iPhone since 2017 carries a TrueDepth sensor.

**2017**

## TrueDepth Launch

iPhone X introduced structured-light depth sensing — years of hardware maturity ready to be leveraged for health.

**10.8%**

## Digital Health CAGR

\$483B market in 2026 growing toward \$1.17T by 2035 — non-invasive monitoring among its fastest categories.

The convergence of mature mobile depth hardware, growing 3D content demand, and accelerating telemedicine adoption creates a rare window. UniScan is positioned to capture it with software-led, hardware-free distribution.

# Current State and What's Next

## Where We Are Today

- Working iOS app: real-time RGB-D capture + on-device reconstruction
- TSDF-based mesh fusion producing clean output in seconds
- Remote GPU reconstruction pipeline functional
- Android remote control + Windows companion working
- Early validation in fitness and body-tracking use cases
- 90-day beta targets: **200+** testers · **5,000+** scans · **10** pilot conversations

## Now → 3 Months

Harden reconstruction quality and robustness. Ship the longitudinal comparison UI. Expand guided capture protocols for fitness and skin monitoring. Publish accuracy validation results.

## 3 → 6 Months

Launch freemium App Store release. Validate premium conversion in the fitness vertical. Begin dermatology workflow pilots with practitioners.

## 6 → 12 Months

Convert pilots into paid B2B offerings for clinics and fitness studios. Scale cloud reconstruction. Map the regulatory pathway — positioned for Series A on 12 months of evidence.

# Built by the BIHS Technologies Engineering Team

HS

**Dr. Hovhannes Sargsyan**

CEO & Co-founder

15 years in AI, computer vision & 3D reconstruction. Leads algorithms and product.

IB

**Igor Bakhtikyan**

CTO & Co-founder

15 years architecting complex systems in MedTech and beyond.

ZU

**Zhora Unupoghlyan**

AI & Software Engineer

AI and software development; former Olympiad competitor and coach.

HT

**Hayk Tonoyan**

Software Engineer

Former Informatics Olympiad competitor; algorithmic core development.

HA

**Hakob Ayvazyan**

Software Engineer

IOI Honorable Mention; algorithms and reconstruction pipeline.

SI

**Syuzanna Igityan**

Design Lead

Manager of the BIHS Technologies design team; product and brand design.

UniScan is a product of **BIHS Technologies** — a team with 15 years of machine-learning, computer-vision, and MedTech engineering · Yerevan & Gyumri, Armenia · Dubai, UAE · Sydney, Australia · Terneuzen, Netherlands

## \$500K-\$1M Seed: Focused on Product Velocity

### Reconstruction Quality & Robustness · 40%

Engineering to improve mesh fidelity, reduce artifacts, and harden the pipeline for diverse body types, lighting conditions, and capture distances. The core product-quality investment.

### Tracking & Comparison UX · 25%

Build out the longitudinal comparison experience — the feature set that transforms a scanner into a monitoring platform and drives premium conversion.

### Cloud Infrastructure · 15%

Scale the remote GPU reconstruction pipeline for user-facing load with reliable latency and cost-efficient processing at premium quality.

### Market & Clinical Validation · 20%

Structured pilots in fitness and dermatology verticals plus published accuracy validation — the evidence base for a Series A narrative.

Runway target: **12 months** — App Store launch, validated premium conversion, and first paid B2B pilots, positioned for a Series A on the evidence.

# Why UniScan Is Worth Backing Now

## 1 · Zero Hardware Distribution Risk

The sensor is already in over a billion devices. No hardware sell-in, no supply chain, no adoption curve — pure software distribution economics.

## 2 · Health Monitoring Is the Defensible Wedge

General 3D scanning is competitive. Longitudinal health-grade 3D monitoring is not. The health use case creates retention, switching costs, and a path to clinical validation.

## 3 · Platform, Not Just App

The reconstruction and comparison engine supports consumer apps, B2B APIs, and vertical products — multiple monetization vectors from one technical foundation.

## What We're Looking For

We're raising a **\$500K-\$1M seed round** from investors who understand the intersection of mobile sensing, health tech, and scalable software platforms.

Ideal partners bring not just capital but network access — fitness, digital health, computer vision, or consumer-subscription experience is directly additive to our roadmap.

This round funds the product velocity to reach market-validation milestones and position for a larger raise on strong evidence.



# The Future of Body Monitoring Is Already in Your Pocket

UniScan is building the infrastructure layer for **non-invasive, repeatable, longitudinal 3D monitoring** — starting with the hardware everyone already owns, and the health use cases that demand it most.

## Commodity Hardware

iPhone TrueDepth sensor — no new device required

## Real-Time Reconstruction

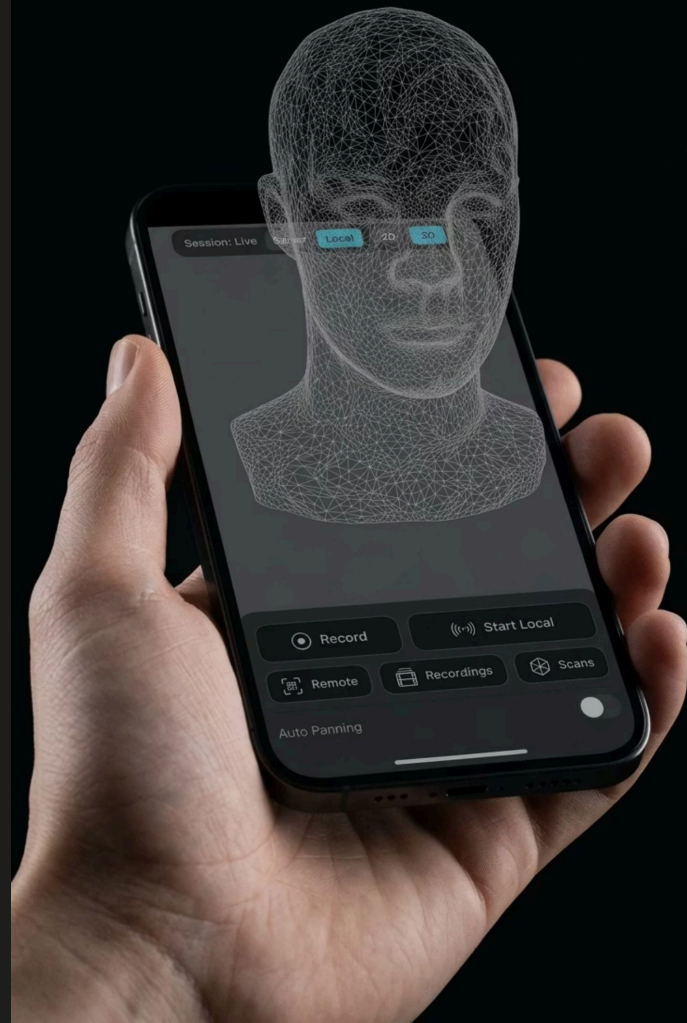
Usable 3D meshes in seconds, on-device or cloud

## Health-Grade Tracking

Structured scan history built for longitudinal comparison

## \$500K-\$1M Seed Round Open

Accelerating to market validation



# Thank You

We appreciate your time and interest.

Dr. Hovhannes Sargsyan · CEO

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Yerevan · Gyumri · Dubai · Sydney · Terneuzen