

# APLA Inc.



**Year Established** 2024  
**Website** <https://www.apla.co.kr>  
**Domestic Customers** LG, DOOSAN

**Type of Business** Other  
**Main Export Countries** USA, Japan, EU  
**International Customers** GMO, Google, NUERA

**The Person In Charge**  
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## Company Description

The robotics industry faces a 'Data Scarcity' crisis, with legacy capture costing over \$20K/hour. APLA solves this with a vision-only AI that converts 2D video into 3D data, eliminating hardware needs. Our algorithm is 100x cheaper and 77x faster than rivals, achieving SOTA accuracy to supply the RFM market.

## Product

### APLA Real Data Solution

#### Function and Usage

This solution enables real-time robot teleoperation using only a single camera, eliminating the need for wearable MoCap suits or XR devices. It captures human motion to control physical robots (humanoids, robot arms) in industrial settings, collecting high-quality "Real Data" (VLA Triplets) essential for training Robot Foundation Models (RFM)

#### Marketing and Selling points

It drastically reduces costs by removing expensive hardware requirements and utilizes SOTA single-camera 3D motion capture algorithms (ranked #1 globally in accuracy). It offers intuitive control for rapid, scalable data generation directly at customer sites.

### APLA Synthetic Data Solution

#### Function and Usage

This solution creates massive synthetic training datasets by converting standard 2D human videos (including internet footage) into 3D robot motions. It uses proprietary motion retargeting and simulation environments (like NVIDIA Isaac Sim) to generate diverse training scenarios without requiring physical robots or human teleoperation.

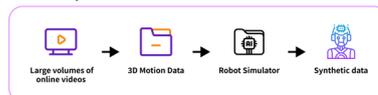
#### Marketing and Selling points

It achieves zero labor costs for teleoperation and leverages vast internet video resources for unlimited data scalability. The solution solves data scarcity issues efficiently, significantly lowering the time and capital required for Physical AI development.

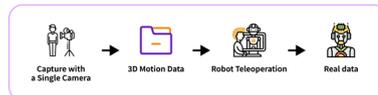
#### Product

APLA's vision-based (2D camera / video) data-creation pipeline automates collection and processing, dramatically reducing time and cost versus hardware-based methods.

##### 1. APLA Inc. Synthetic Data Generation Method



##### 2. APLA Inc. Real Data Generation Method



#### Technologies & Solutions

Robot teleoperation solution based on our proprietary motion capture technology.



Real-time humanoid teleoperation based on 2D RGB webcam.



Humanoid teleoperation based on 2D video.