GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · EMBODIED AI DATA COLLECTION

PiKA

From Lab to Field Research

A universal, fast data-collector solution for embodied intelligence: low-cost, multi-platform and portable.

Presented by GateIn Technology · Exclusive AgileX partner in Egypt



The PiKA system



PiKA Sense

A handheld, portable device that independently captures multi-modal data.



PiKA Gripper

An adaptable module that mounts on robotic arms for precise gripping and concurrent data collection.



PiKA Station

Provides millimetre-level spatial positioning to ensure high data accuracy.

Why PiKA



Universal compatibility

Universal flange interface for various robotic arms.

Multimodal data

RGB, depth images and IMU data.

Flexible grasping

Two-finger gripper, 0–95 mm range, 2 kg max force.

Portable & ergonomic

Lightweight design for field research.

Precise control

±1.5 mm positioning accuracy.

Efficient data collection

Human-robot interaction for fast AI training data.

PiKA Sense & PiKA Gripper

Parameter	PiKA Sense	PiKA Gripper
Dimensions	215 × 220 × 257 mm	215 × 191 × 143 mm
Weight	550 g	690 g
Gripper	Two-finger, 0–95 mm, max force 2 kg	Two-finger, 0–95 mm, max force 2 kg
Depth camera	FOV 87° × 58°, ±2% @ 50 cm, 90 FPS	FOV 87° × 58°, ±2% @ 50 cm, 90 FPS
Wide-angle camera	Diagonal FOV 200°, 90 FPS	Diagonal FOV 200°, 90 FPS
IMU	9-axis, 100 Hz	9-axis, 100 Hz
Other	±1.5 mm positioning; RGB, depth, IMU data	Universal flange; compatible with various arms

PiKA Station, package & applications



PiKA Station

Positioning range: horizontal FOV 110° × vertical FOV 150°; tripod up to 2.1 m with pitch adjustment; 30 h battery life.

PiKA Package

Portable integrated unit for storage and power supply; supports up to 1 TB of data.

Data collection

Accelerates data acquisition for AI training and validation.

Development & research

ROS-integrated platform; lightweight design for field research in diverse environments.

GateIn One accountable partner

We don’t just ship the PiKA. GateIn designs, supplies, installs, integrates and supports AgileX solutions for universities, schools, government and industry, from the first plan to long-term support.

+120
ROBOTS SUPPLIED IN EGYPT
Industrial, service and educational

91
LABORATORIES
Across 45 institutions

+30
STRATEGIC & GLOBAL PARTNERS

5
YEARS OF DELIVERY
Since 2021

Design | Sourcing | Installation | Integration | Training | Long-term Support

An integrator, not a vendor.

Exclusive AgileX partner for Egypt

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Let’s plan your PiKA deployment

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