

## Configuration List

Item	Quantity	Description
A4 Drawing Board	1 pc	Writing/drawing paper positioning board
2D Camera	1 pc	Captures base images for overlay drawing
Camera Data Cable	1 pc	Camera communication cable
Pen Holder	1 pc	Custom metal pen clamp (doubles as camera mount)
Drawing Pen	1 pc	Robotic arm-mounted drawing pen (for precise drawing/writing)
Round Base Magnets	1 set	Works with A4 board for paper fixation
AI Drawing Software	1 license	AI drawing plugin with activation code for AI-generated artwork
* Note: Magician E6 robotic arm not included - requires separate purchase		
* Installation toolkit includes assorted screws and screwdrivers		

Note: This document is for reference only. Actual product functions, parameters, and configurations are subject to the final release version and may change without prior notice.



# AI Drawing Kit

Multimodal AI + Robotic Arm:  
Enabling a New Era of Smart, Accessible Education

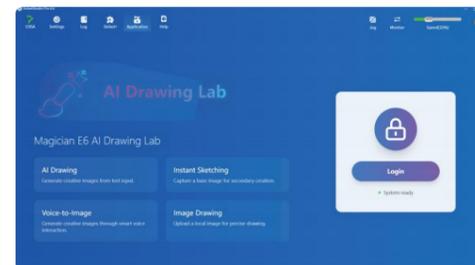
# AI Drawing Kit

The AI Drawing Kit is an intelligent drawing suite designed for the education sector, seamlessly integrating multimodal AI models with robotic arms. By combining AI-generated art with cutting-edge robotics, this innovative platform provides educators and students with a dynamic teaching tool. Whether for artistic creation, AI technology, or robotics programming, the kit delivers an interactive and highly engaging solution tailored for educational environments.

## Key Features

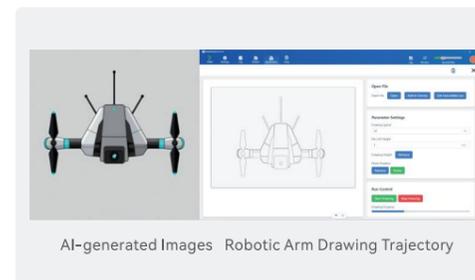
### Seamless Integration of AI and Robotics Education

This kit allows students to not only experience the creative process of AI-generated art but also learn how robotic arms collaborate with intelligent systems through precise control. While operating the robot, students will grasp the basics of programming, control, and robotic art creation, enhancing both their technological literacy and creative abilities.



### Multiple Intelligent Drawing Modes Supported

- **Upload Image for Drawing:** Users can upload images such as facial photos or hand-drawn sketches, and the AI will automatically generate stylized artwork, easily transforming reality into art.
- **AI Prompt-Based Drawing:** Based on voice or text prompts, AI generates unique and original designs, showcasing limitless creativity.
- **Capture and Draw:** By using the camera to capture sketches, combined with prompt words, AI can perform secondary creative work and complete the design, perfectly extending the user's creative vision.



### Real-Time Drawing Preview

Provides a preview of the drawing trajectory, ensuring that users see exactly what will be created, offering control over every detail to boost confidence and accuracy in the creative process.

### Support for Line Art Style

Offers exquisite line art styles that can be adjusted in intensity, enabling users to easily create visually striking line drawings.

### Convenient A4 Drawing Board

- The drawing board supports A4 standard size and aligns quickly with the robotic arm base, significantly reducing setup time and improving drawing efficiency.
- The board is printed with clear dimension markings to help users accurately position the creative area, ensuring every stroke is in the right place.
- Equipped with small magnets for easy attachment of the drawing paper, making it both visually appealing and practical, ensuring stability during the drawing process.

## Application Scenarios

### Primary, Secondary, and Higher Education

Integrates art and robotics education, helping students understand how robotic operations and AI Drawing intersect.

### Technology and Innovation Courses

Through hands-on activities, students learn about the deep integration of programming, robotic control, and AI.

### Technology Exhibition Centers

Live demonstrations of AI Drawing and robotic collaboration, offering insight into how AI generates artwork and showcasing the fusion and innovation of AI and robotics technology.

## Teaching Content

### Basic Robotics Usage, Programming, and Control

Learn the fundamental principles of robotic structures, control systems, and use cases, aiding students in understanding automation control and robotics applications in engineering.

### AI and Creative Integration

Students will understand how AI generates artwork through prompts or image inputs. They will explore how AI performs image recognition, analysis, and transforms these into paintings. This process not only lets students enjoy the fun of AI creation but also helps them master AI's applications in art and design.

### AI Algorithm Principles and Applications

While using the platform to generate designs, students will be exposed to basic AI principles such as machine learning, visual image processing, and path planning. Interacting with AI helps students understand how algorithms analyze input data and generate outputs, fostering their interest and understanding of AI technology.

### STEM Cross-Disciplinary Learning and Practice

Students will learn not only programming and robotic control but also experience firsthand the practical application of AI technology, fostering a cross-disciplinary mindset.