SEEDER

RBAI

Intelligent Robotic Tracking Control System

Main Interface Functions

Controls robotic camera tilt, pan, zoom and focus, adjusts movement speed, and allows program selection. Real-time position data is displayed. System configuration supports communication, language, and parameter adjustments, which are saved and take effect immediately.
Program storage: 32 programs × 16 sequences × 16 scenes = 8192 scenes.
Long press a program button to edit its name.
The zero reset button restores the device to its initial zero position.
The control handle can be locked to prevent misoperation.
Click the upper right corner close button to exit the software and return the pan-tilt head to its initial zero position.
When the collision avoidance system is activated, a warning message is displayed and the robotic motion stops.
Supports import/export of program and scene files for backup.









Scene Selection

Tap a saved scene and the equipment follows the preset trajectory. Interface buttons will light up to indicate motion status.
If an abnormality occurs during motion, press the pause button and the device will immediately stop all movement commands.
Tap the scene button again and the system will check whether the issue is resolved; if so, the device resumes operation.
The zero reset button returns the device to its initial zero position.
After selecting a scene, the speed lock can be activated to adjust the speed.

Scene Editing

Left and right joysticks control device movement.
Tap a blank button at the desired position to save the scene.
Long press a scene button to edit the name.
Tap the delete icon — buttons with saved scenes will show a deletable icon, and tapping the scene will delete it immediately.
The zero-reset button restores the device to its initial position.

Functional Parameters

1. Captures SDI signal from the main camera, performs face and skeletal animation recognition based on main camera focal length
2. Intelligent framing for left, center, right, and full/medium/close-up shots, with customizable locked framing. Automatically switches between different compositions for convenient shooting
3. In multi-person framing, tracking target can be designated; avoids target loss and occlusion interference
4. Supports gesture recognition: raising the left hand locks the tracking target. In multi-person scenarios, gesture recognition allows accurate target selection
5. Auto-tracking delay is less than 0.1 seconds
6. Object recognition-based autofocus

System configuration

1. 1× 64-bit processor, 8 cores / 16 threads, clock speed 3.8–5.5 GHz
2. NVIDIA® GeForce RTX™ 4070, 21.5" LCD screen, 1920×1080 resolution
3. 32 GB DDR5 4800 MHz, 1 TB M.2 SSD
4. 1 Gb wired network, redundant power supply, SDI recognition input
5. Windows 11 26H2, 64-bit Enterprise edition
6. Robotic intelligent camera control system software (one set)