

Specifications

Model	ERT-100 PLUS Robotic Tracking System
Pan-Tilt Head	U-shaped 2-axis with built-in sensor, brushless motor, precision reducer
Pan / Tilt Speed	0.01°/s~60°/s
Load Capacity	60kg/132lbs
Lifting Column Range	Electric 3-section
Lift Speed	0.02mm/s-150mm/s
Track Speed	0.02mm/s-2000mm/s
Stroke	450mm
Min. Lens Mounting Height	720mm
Max. Lens Mounting Height	1600mm
Tilt Range	+45°~ -45°
Tracking Dolly	Aluminum base, 8 load-bearing wheels, steerable
Tracking Dolly Dimensions	790mmx453mm (LxW)
Track	CNC, 360mm spacing, 2m/section(Standard:10m)
Remote Control Panel	11-inch LCD touchscreen
Power Supply	AC 110V-220V
Operating Power	1.0kw
Camera Compatibility	Studio cameras (Canon, Fujinon Full-Servo Lenses); ENG, EFP cameras
Packaging	Aluminum case

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ERT-100 PLUS

Robotic Tracking System

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ERT-100 PLUS Robotic Tracking System

The modular robotic tracking system, consisting of a Pan-Tilt head, lifting column, tracking dolly, and multi-function controller, offers ultimate control with 7-axis precision. It enables seamless manipulation of horizontal movement, lifting, pan, tilt, zoom, focus, and iris. It aims to achieve unmanned and automated program recording,making it highly versatile across various program genres like news, interviews, sports, conferences, variety shows, and current affairs.

Pan-Tilt Head

- 60kg/132lbs load capacity, 0.01°/s~60°/s.
- U-shaped 2-axis with built-in sensor, brushless motor, precision reducer.
- Supports broadcast-level lens control of pan, tilt, zoom, focus, and iris.
- Compatible with Canon and Fujinon full-servo lenses, ENG, EFP cameras.

Lifting Column

- Electric 3-section design, high-hardness aluminum alloy material.
- Lift speed: 0.02mm/s-150mm/s.
- Working height: 720mm-1600mm, stroke: 450mm.
- Built-in integrated circuit and sensor, ultra-quiet motor.
- Simple and stable modular installation.

Tracking Dolly

- Track speed: 0.02mm/s-2000mm/s.
- Built-in brake and deceleration system.
- Soft start and stop for smooth and stable movement.
- 4 sets of integrated silent, steerable, and height-adjustable wheels.
- Neat cable management with drag poles design.

Remote Control Panel

- 11" LCD touchscreen for visual parameter settings.
- Dual joysticks operation, variable speed control.
- Remote 7-axis precision control of lifting column, tracking dolly, pan-tilt head, and lens.
- Supports 300 presets and 150 track settings, allowing for single-point, single-pass continuous, or multi-loop movements.



Ground Tracks

- High-hardness aluminum alloy track with a one-piece forged structure and CNC machining.
- Integrated intelligent deceleration module and brake system.
- Standard single section track length: 2m (10 meters in total, straight).
- Extendable with optional 1-meter or 2-meter sections.
- Optional curved track available.

Curved and Straight Tracks Diagrams

