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.
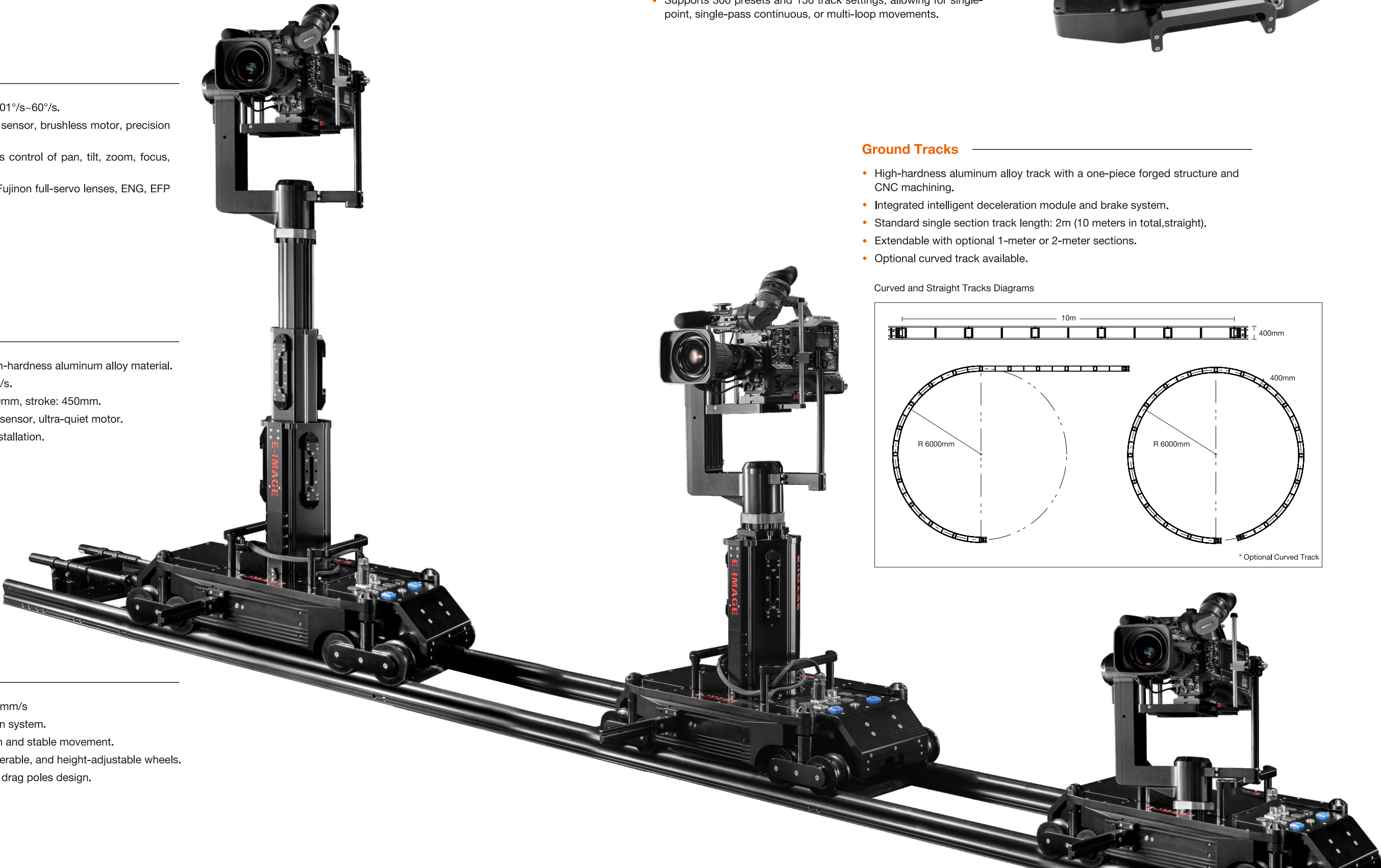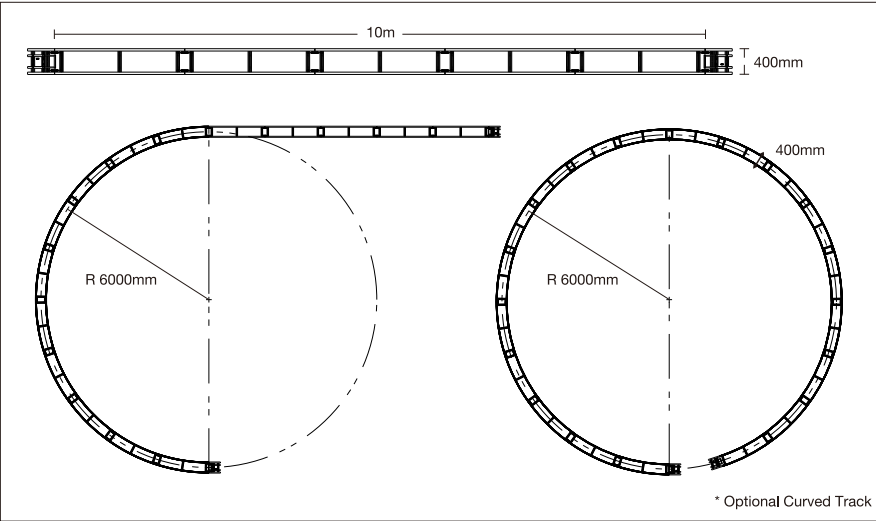
Remote Control Panel

- 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.

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.

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

10m
400mm
400mm
R 6000mm
R 6000mm

* Optional Curved Track

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.

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What's Included

①	Pan-Tilt Head	x1 set
②	Lifting Column	x1 set
③	Tracking Dolly	x1 set
④	Control Panel	x1 set
⑤	Track Damper	x2 sets
⑥	Regular Track	x5 sets
⑦	Controller Power Cable	x1 set
⑧	Track Turnbuckle	x12 pcs
⑨	Track Stopper Blocks	x12 pcs
⑩	5mm Allen Wrench	x1 pc
⑪	Network Cable	x1 roll
⑫	Tracking Dolly Power Cable	x1 roll
⑬	Track Synchronous Belt	x1 set
⑭	Nylon Cable Ties	x10 pcs
⑮	Velcro Cable Sleeve	x1 set
⑯	Lense Cable	x5 pcs
⑰	Power Cable Cor Camera	x1 set
⑱	Cable For Connecting Pan&Tilt Head and Tracking Dolly	x5 pcs
⑲	PS-C	x1 set
⑳	Aluminum Case	x5 pcs

Controller Power Cable(1.5M) x1 set ⑦
Track Turnbuckle x12 pcs ⑧
Track Stopper Blocks x12 pcs ⑨
5mm Allen Wrench x1 pc ⑩

Network Cable x1 roll ⑪
Tracking Dolly Power Cable(15M) x1 roll ⑫
Track Synchronous Belt(12M) x1 set ⑬
Nylon Cable Ties x10 pcs ⑭
Velcro Cable Sleeve(12M) x1 set ⑮

Details

Pan-Tilt Head x1 set ①
Lifting Column x1 set ②
Tracking Dolly x1 set ③

Lense Cable x1 set ⑯
Power Cable For Camera x1 set ⑰
Cable For Connecting Pan&Tilt Head and Tracking Dolly x1 set ⑱
PS-C x1 set ⑲

Control Panel x1 set ④
Track Damper x2 sets ⑤
Regular Track (2M) x5 sets ⑥

(Pan-Tilt Head+Control Panel)
(Tracking Dolly+Track Damper)
(Lifting Column+Accessories)
(Regular Track)
(Regular Track)
Aluminum Case x5 pcs ⑳