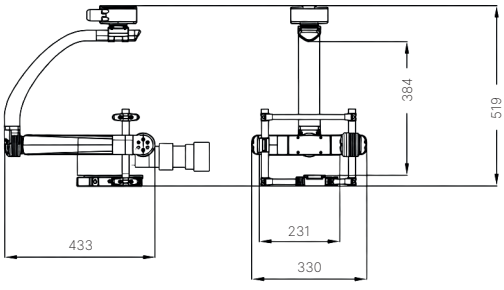
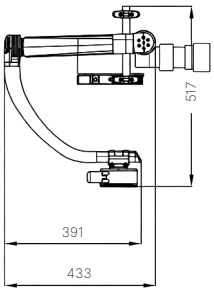
DATA SHEET

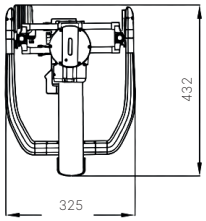
T-Gyro AR & MoCo

T gyro AR & moco is a 3-axis high-precision gyro-stabilized head designed for elite cinematic and live broadcast productions. Engineered with a specialized carbon structure, it remains the lightest solution in her class at just **3.8 kg.**

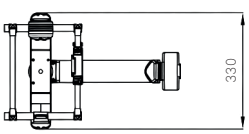
The high-precision mechanical design, paired with **easy automatic PID tuning** for rapid configuration, allows operators to achieve unmatched smoothness and precision across all environments.







Dimensions: [mm] in



Key Features

- **Ultra-Lightweight:** Features a 3-axis carbon gyro head weighing only **3.8 kg.**
- **Powerful Head:** Capable of supporting a maximum payload of up to **8 kg.**
- **Movement Compensation: 24V power** provides stabilization with strong movement compensation.
- **360° Pan:** Continuous rotation via a **fiber rotating collector** for power, SDI, and Ethernet.
- **Augmented Reality:** Advanced AR tracking capabilities using the **FreeD protocol.**
- **Signal Integrity: Fiber Slip Ring** technology allows camera and all data signals to circulate with optimal quality.
- **Multi-Platform:** Fully compatible with **Cablecams X fly, Tethered drones, U-Crane Dynamic, and Microlight** systems.
- **Extended Autonomy:** The 12V control station can operate for up to **8 hours** on battery.

TECHNICAL SPECIFICATIONS	
Dimensions	41 cm (L) x 32 cm (W) x 45 cm (H).
Weight	3.8 kg
Maximum Payload	8 kg
Pan Range	360° Infinite via rotating collector (Power, SDI, Ethernet, and sync).
Tilt / Roll Range	270° / 180°.
Mounting	Mitchell mount or Euro-coupling; supports upright or underslung configurations.
Construction	Ultra-light carbon fiber structure.

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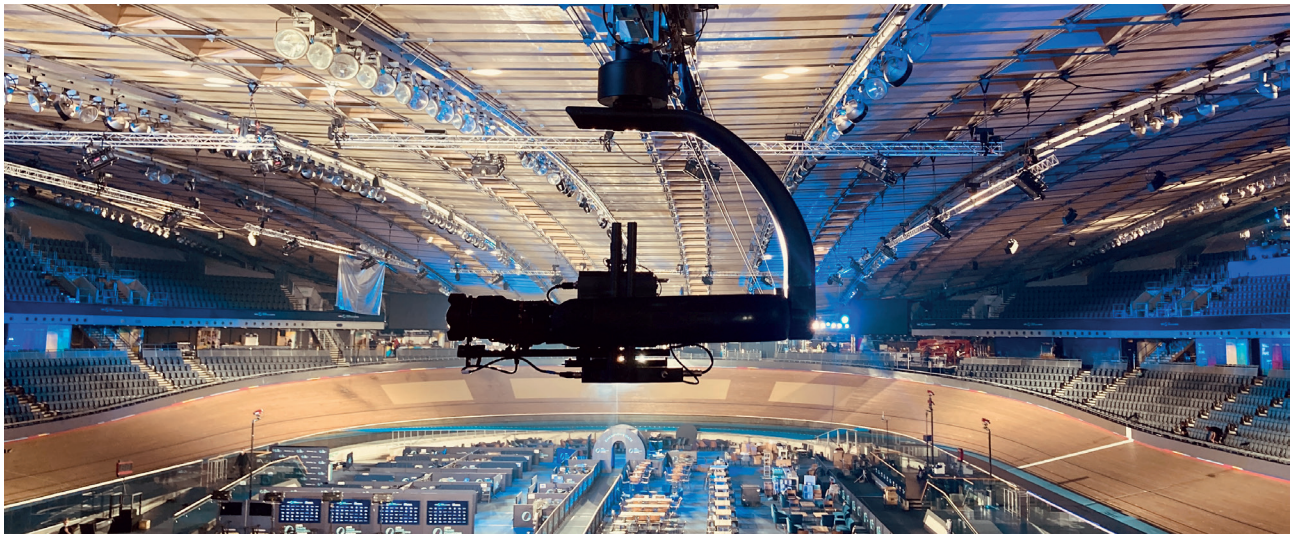

ADVANCED TECHNOLOGY & AUTOMATION	
PRECISION TUNING	Fast and reliable automatic motor PID tuning for any camera configuration
INTUITIVE INTERFACE	All software parameters for head and lens are accessible via a **color touchscreen**
ADVANCED MOTION	Adjustable speed, smoothness, acceleration, trajectory curves, and position memories on all axes
VIDEO OVERLAY	Proprietary board displays axis positions (focus, zoom, iris) as a video overlay on the program return feed
AUTOMATED FUNCTIONS	Automated back-pan function and position memories for precise repositioning without visual reference

CONNECTIVITY & INTEGRATION	
ACCESSIBLE SOLE	Connectors Singlemode Fiber, SDI, sync, power, Tally, and RCP are located at the camera sole (tilt level)
CONTROL PROTOCOLS	Integrated digital protocols for **Sony**, **Grass Valley**, **Canon**, **and Hitachi** cameras
LENS & MOTOR SUPPORT	Built-in support for **Fujinon**, **Canon**, and external motors (**Cmotion**, Cforce, **Preston**)
MULTI-PROTOCOL COMMUNICATION	Communicates via wireless RF, IP protocol (**COIP**), or BNC cable (**COCP**) up to 1000 m.

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