



mo-sys

G30

Gyro-Stabilized
Heavy-Duty Camera Head

V I S I O N I N M O T I O N

New and Improved



The next generation in gyro-stabilized remote heads, the heavy duty G30 delivers precision in movement and superior image stabilization



New and Improved Features

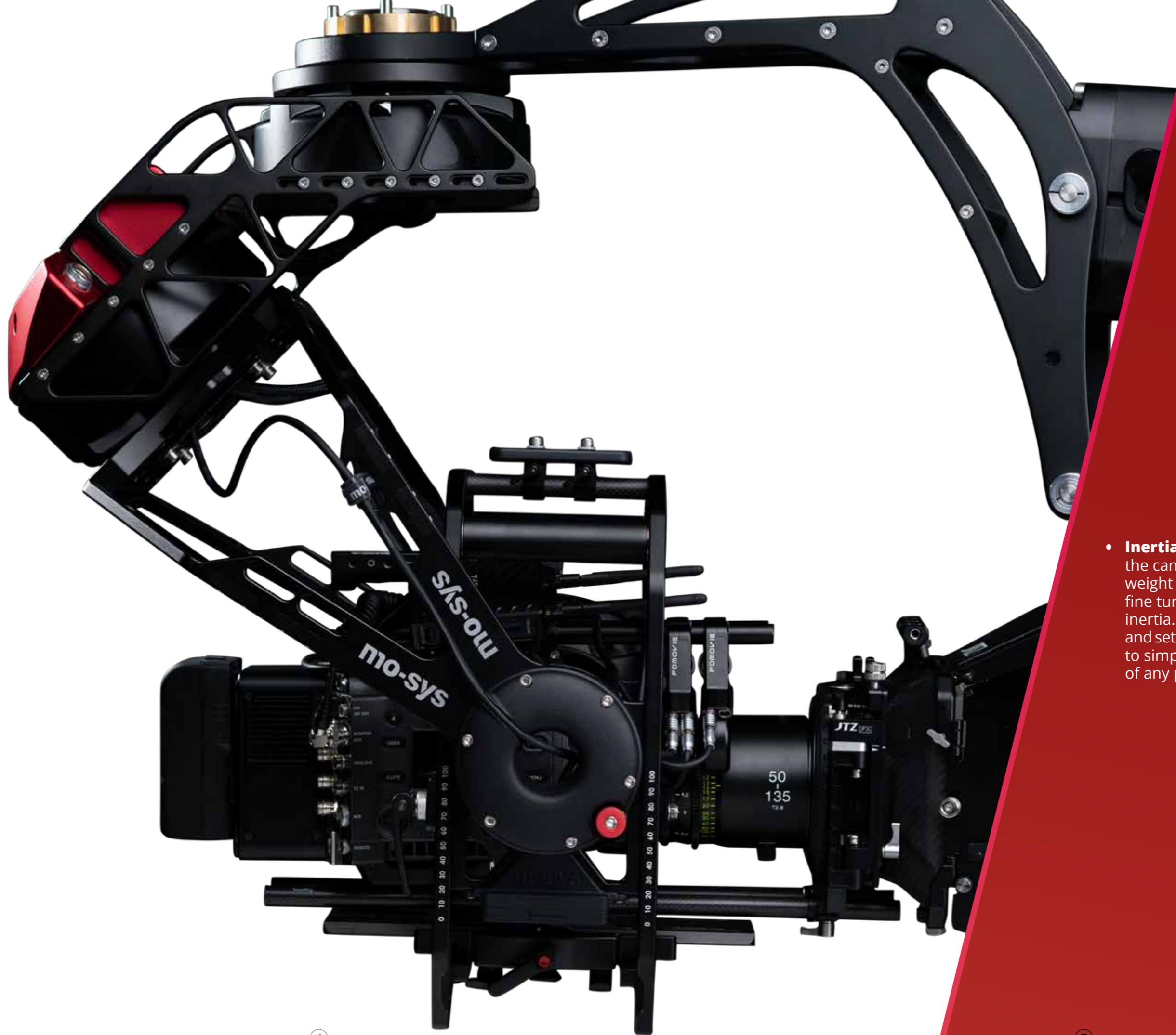
- **Improved balancing with the addition of indexing plungers to the roll and tilt axis.** These enable the operator to lock off each axis independently during set-up and aid safe transportation
- **An enlarged camera frame with squared-off top inside edges** for compatibility with even larger camera payloads
- **Sliding components** now include engraved measurement markings for fine adjustment and fast repeat set-up
- **Enlarged right side tilt motor through-hole** protects cables and reduces congestion, allowing more cables to pass freely through the centre



- **Several 3/8" mounting threads** have been added to support accessories and offer additional bracing to eliminate camera and lens vibration
- **Wireless operation allowing for up to 300m remote control** via an optional built-in radio module. Includes additional power supply, cables and terminator plug.
- **Lens support and general stiffening** has been improved with the ability to add 15mm rods underneath the camera frame



- **Cable management has been further improved**
- **2x Bus connectors for daisy chain compatibility.** These have been positioned on the outer side of the frame for maximum ease of use
- **The tilt motor and gyro now feature** removeable cable mount assemblies for easy replacement



- **Inertia Calibration** - user input of the camera package length and weight is used to calibrate inertia with fine tuning based on scaling that inertia. Custom tuning is possible, and settings can be saved and restored to simplify the re-mounting process of any previously tuned package.

Key Features

- **Oversized frame** - no need to use counterweights with large camera payloads to compensate for a gyro frame that is too short. The G30's frame design combined with its powerful motors and semi-automatic balancing system, ensures that balancing a heavy payload is as simple as balancing a medium payload
- **Increased camera access** - provides all round access to camera connectors and components. Ensures minimum downtime whilst mounting cameras to the G30
- **Shorter and stiffer frame** - better performance when used on telescopic camera cranes. Provides crisper camera movement with minimal flexing, ensuring the smoothest looking images
- **No gimbal lock when camera points down** - with a re-ordered axis priority (pan, tilt, roll), the G30 frame geometry solves the downward gimbal lock issue. This occurs in some conventional remote heads when mounted on crane, where pan axis movement/stabilization is not possible when the camera points directly down. Removing downwards gimbal lock ensures the G30 has all 3 axes of movement and stabilization available for downward looking shots
- **+/- 45 degree roll axis** - providing 90 degrees of roll axis movement, whilst avoiding downward gimbal lock, delivers more valuable capability for productions.

Key Features



Digital Display Console

The Digital Display console for the G30 takes its design from the automotive industry. It comprises a shallow menu structure, a display showing the operator current parameter settings, and physical controls for direct, tactile, intuitive operation. This is the optimum interface for stressed production environments, where changes need to be fast and delays minimised. The Digital Display Console can be used in conjunction with pan bars, cine wheels, or a Broadcast Console.

Key Features

Simple Tuning

Using a combination of the G30's assisted balancing, simple cage adjustment, and Digital Display console, tuning a camera package for optimum performance is simple and fast compared to traditional gyro-stabilized heads.

This process is further facilitated by smart features available through the Digital Display console.

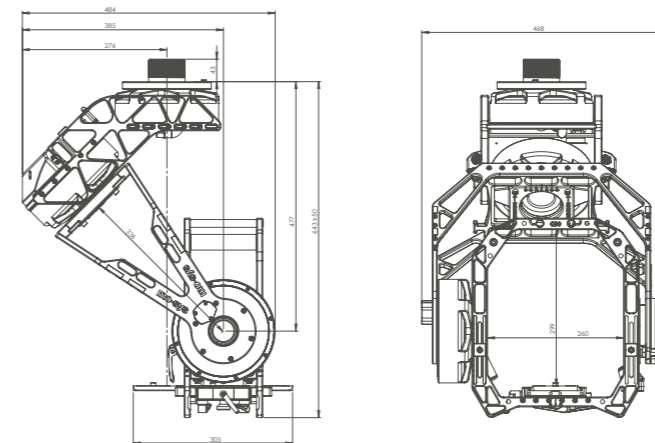


System Information

Mo-Sys G30 Gyro-Stabilized Heavy-Duty Camera Head



	G30 (Previous model)	G30 (NEW v2)
Stabilized Axis	3 (Pan, Tilt, Roll)	3 (Pan, Tilt, Roll)
Max. Payload	up to 30Kg/66lbs	up to 30Kg/66lbs
Height	633 mm	643 mm
Head Width	432 mm	468 mm
Depth Head	454 mm	484 mm
Frame Inside Height	255 mm	299 mm
Frame Inside Width	227 mm	260 mm
Weight	24kg	27kg
Weight with wire isolator	27kg	30kg
Max. Tilt Range	± 360	± 360
Max. Roll Range	± 45	± 45
Max. Pan Range	± 360	± 360
Max. Pan Rate	180 / sec	180 / sec
Max. Tilt Rate	180 / sec	180 / sec
Max. Roll Rate	180 / sec	180 / sec
Operating Voltage Head	~ 24V DC	~ 24V DC
Current required	<5 Amp	<5 Amp



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