

## PM-ONE

HD | 4k | 8k

## Ultralight 5-Axis Camera Stabilizing System for professional filming

### PM-ONE GIMBAL SYSTEM

PM-ONE is an ultralight 5-axis gyroscopic stabilized head with unshakeable stability. The system has been revised to meet the latest requirements for CINE and BROADCAST productions.

- advanced steering with look down capability and hands-off advanced autohorizon
- High Performance FIBER OPTIC GYROSCOPE KVH DSP-1760
- touch-screen enhanced operating panel with Soft-RCP functions and SDI overlay
- HD | 4k | 8k signal transmission capability
- gimbal transport in just 2 boxes, each below 32 kg (71 lbs). No disassembly of the turret for transportation required
- easily integrated onto a wide range of mounting platforms
- a plug and play system that rigs up fast and is ready to fly with minimal setup time
- compatible with most FAA & EASA approved aircraft mounts
- no ITAR restrictions or EAR licencing requirements
- Upside-Down mode capability
- very small and lightweight PowerBox
- designed & manufactured in Austria



### PM-ONE GIMBAL OPERATING PANEL

- Ergonomic, user friendly and lightweight
- Integrated 7.7" HD monitor with zebra/histo/waveform
- Optional Integrated HD/UHD/4K SSD recorder
- Integrated touchscreen for remote control of cameras
- Optional dedicated Broadcast RCP
- Intuitive menu controls of the **PM-ONE**, with options to save customized setups for individual users
- Steerable, advanced auto horizon
- Automatic reduction of joystick sensitivity with zoom rate
- Display of absolute lens values & SDI-Overlay
- Control of ENG lens extender
- Steering via integrated joystick, drift-knobs, external devices, or computer controlled



### PM-ONE PowerBox

- Powerful design with minimal size
- Different options for CINE & BROADCAST
- Connectors for fiber, SDI, RCP and power supply of the whole system, as well as demultiplexer from fiber to HD / 4k / 8k.
- small and lightweight



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# System Specifications

## DIMENSIONS (H x W x D)

Gimbal  
 600 x 500 x 480 mm (24 x 20 x 19")

Operating Panel  
 150 x 480 x 240 mm (6 x 19 x 9")

PowerBox  
 55 x 230 x 270 mm (2 x 9 x 11")

Gimbal Transport Box  
 1000 x 650 x 460 mm (39 x 26 x 18")

Accessory Transport Box  
 850 x 560 x 460 mm (33 x 22 x 18")

Both transport boxes have an integrated and detachable wheel system



## GIMBAL MOVEMENT RANGE

Pan: 360° horizontal (continuous)  
 Tilt: 260° vertical (symmetrical)  
 Roll: ± 45° roll/horizon

## INTERFACES

SDI 1.5G/3G/6G/12G (HDMI via Monitor)  
 Ethernet  
 PM-ONE AUX Connector for Power & Communication

## ENVIRONMENTAL

Operating temperature: -10 °C..+40 °C  
 (+14 °F..+104 °F)

## POWER SUPPLY

Voltage: 20..32 VDC  
 Maximum Current\*: 15 A  
 Typical Current\*: 5 A  
 Quiescent Current\*: 2 A

## WEIGHTS (STANDARD SET UP)

Turret*:	21 kg	(46.3 lbs)
Turret incl. payload*:	26..32 kg	(57.3..70 lbs)
Operating Panel:	5 kg	(11.0 lbs)
Powerbox:	2 kg	(4.4 lbs)

\*depending on camera payload

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## Camera & Lens Options

PM-ONE supports a wide range of CINE and BROADCAST cameras and lenses for your specific needs. A software RCP (remote camera control panel) is provided from the PM-ONE operating panel.



### CINE CAMERAS

ARRI Alexa Mini  
 RED DSMC-1 & DSMC-2 brains  
 Black Magic Ursa Mini/Pro  
 MAVO EDGE 8k  
 RED COMODO-X  
 RED V-RAPTOR

### BROADCAST CAMERAS

Sony HDC-P1/a, HXC-P70 & P43  
 Grass Valley LDX C82  
 Grass Valley LDX C86N 4K  
 Panasonic AK-UB300 4K  
 Ikegami HDL-4500  
 PhaseONE iXU  
 Hitachi DK-H200  
 SONY HDC-P50 <sup>2)</sup>  
 SONY BURANO



### CINE LENSES

ARRI Alura 15.5-45  
 ARRI Alura 30-80  
 ARRI/Fujinon 14-35, 19-90 ,  
 20-120 & 85-300  
 Angénieux Optimo 15-40, 28-76  
 & 45-120  
 Angénieux Optimo Style 16-40  
 & 30-76  
 Angénieux HR 25-250 T3.5 <sup>1)</sup>  
 Canon CN7x17  
 Canon CN-E30-105  
 Zeiss CZ.2 28-80, 70-200, 21-100

### BROADCAST LENSES

Canon HJ24ex Series  
 Canon HJ18ex Series  
 Canon HJ22ex Series  
 Canon CJ20ex (UHD) Series  
 Canon CJ12ex (UHD) Series  
 Canon CJ25ex7.6B  
 Canon CJ14ex4.38  
 Canon CJ45ex9.7b <sup>1)</sup>  
 Fujinon HA25x Series  
 Fujinon UA22x (UHD) Series



Kits for other cameras and lenses on request

- <sup>1)</sup> Modification to Lens Snout required  
<sup>2)</sup> Modification to Back-Cover required

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## Accessories & Options

### OPTIONAL FEATURES

- External input for third-party devices, such as handwheels, joysticks, focus-puller remotes, etc.
- Ethernet and wireless kit for remote radio control of gimbal and integrated camera
- Control interface for timed/automated computer controlled movements (motion control)



### ACCESSORIES - RAINCOVER

- The rain cover protects your camera stabilization system against water and rain penetration and is easy to install even during use.
- The rain cover consists of 4 parts and is made of water-repellent Goretex® material.
- Additional rubber gasket against water penetration is included.



### ACCESSORIES - MOUNT ADAPTERS

As required, different adapters can be fitted to the gimbal to attach it to just about any industry standard mount e.g. Mitchell Mount, AFSP-1 etc.



### ACCESSORIES - RAIN DEFLECTOR

The rain deflector ensures that clear pictures can be shot without disturbing raindrops on the lens glass, even in pouring rain. The rain deflector is mounted on the lens tube with a bayonet lock and can be controlled via the GOP.

### ANTI-FOGGING SYSTEM

Anti-fogging system prevents fogging of the lens in humid weather.

This option uses fan heaters to eliminate unwanted moisture around the lens, thus preventing the annoying fogging and can be installed with a few simple steps.

The system is controlled via the user interface of the GOP.

