

PHOENIX











We understand creating images that last forever is no easy task. IMMORTAL Camera Systems focuses on designing and upgrading gyrostabilized camera systems to ensure that you get the shot - every time.

PHOENIX's user-centered design unlocks creativity by obliterating existing payload limitations, increasing user customization, and having an unmatched operating range of 30ft below to 30,000ft above sea level.

IMMORTAL
CAMERA SYSTEMS

- *Market-leading payload cavity to accommodate larger modern cameras with zoom or prime lenses*
- *Cine-friendly design allowing rapid aerial and ground-based lens changes*
- *Sealed for heavy rain and submersion*
- *WiFi and Cellular access for configuration and live remote support*
- *Capacitive touch Controller Screen with embedded camera control*
- *High-speed version (PHX-X) available*
- *Submersible version (PHX-S) available*
- *Nodal roll axis with an unmatched 360° continuous range of motion*
- *Cutting edge, modern electronics to remove obsolescence risks*
- *Mounts to helicopters, boats, planes, cranes, jetskis, cars - basically any unstable platform.*

SPECIFICATIONS

OPERATION

- 6-axis with no gimbal lock
- High performance non-ITAR sensors
- Proprietary gimbal control algorithms 5urad stability
- Horizon Level, POV, and Look Down modes
- Can be mounted Overslung or Underslung
- Maximum Airspeed: 250 knots (PHX), 450 knots (PHX-X)
- Horizon level, POV and Shaker modes
- Ships excess baggage
- Compatible with approved helicopters mount for AS350, H125, H130, and Bell 206/407
- 12 Month Warranty

GIMBAL FIELD OF VIEW

- Pan: 360˚ continuous
- Tilt: +45˚ to -110˚
- Roll: +100˚ to -100˚, 360˚ continuous (option)
- Max slew rate: 120˚/sec

DATA / COMMUNICATION

- Ethernet with Wireless IP Radio options
- 2 x 12G SDI through Fibre Optic
- 2 x Spare Fibre Optic channels (1310nm and 1550nm)
- Logging of frame accurate VFX metadata including TimeCode and GPS
- Spare wired Ethernet or Serial pass-through

SIZE, WEIGHT, POWER

- Turret without Payload 28kg (62lbs)
- Operator Controller 3.9kg (8.6lbs)
- Auxiliary Box 5kg (11lbs)
- External Cable Set: 1.5kg (3.3lbs)
- Power 15-60VDC 12 Amps Max draw (at 28V)

ENVIRONMENTAL

- Operating Temperature: -20°C to +50°C (-4°F to 122°F)
- Operating Altitude: -30ft to +30,000ft above sea level
- Fully Sealed

PAYLOADS

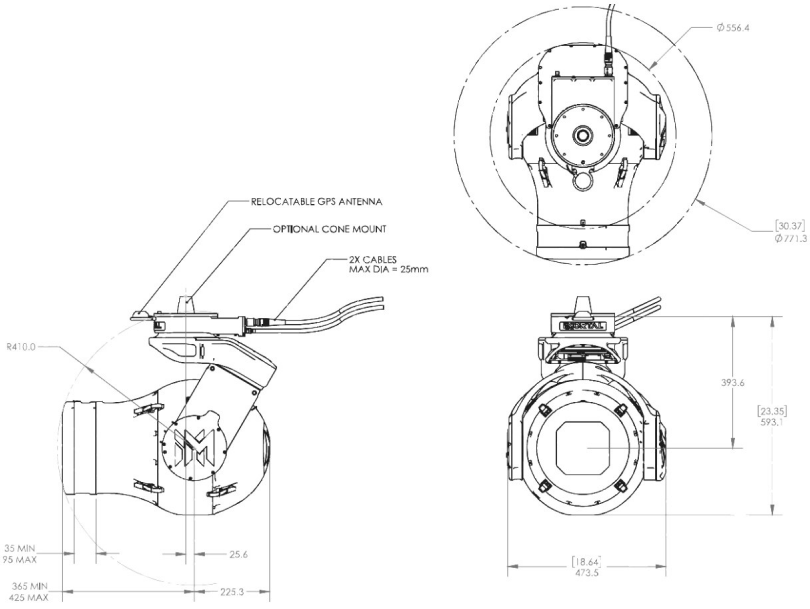
- Flexible payload system, with dovetail and Heden lens motors, allows almost any camera and lens combination in less than 30 min
- Preston, CMotion and ARRI Hi5 integration
- Canon and Fujinon broadcast lens Servodrive integration
- Photographic, Infrared and Custom payload options
- Minimum Payload example: SONY FX6 & Canon 35mm Prime
- Maximum Cinema Payload Example: ARRI 35 & Canon CN20
- Maximum Broadcast Payload Example: SONY P50 & Fujinon UA46

AUXILIARY BOX

- 15-60 VDC Power Input
- 2 x 12G SDI Video Outputs
- 4 x 3G / 2 x 6G / 12G DA Video Outputs
- 6 x 12VDC XLR4 Power Outputs
- HD/UHD Video Overlay + 2 x 3G Video loop out
- Wi-Fi and Cellular Access point
- 2 x Ethernet connections
- Sealed with thermal control

CONTROLLER

- 2x 12VDC XLR4 Power Out
- Capacitive touchscreen allowing complete system configuration
- Integrated camera control (Ethernet for SONY, RED and ARRI)
- Camera Run / Stop
- Monitor mount
- Customizable button layout and user profiles



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