4 Camera Shockbox Digital Video Recording System –

This Digital Recording System captures 4 channels of video at once and splits the viewing screen up so the audience won’t miss a moment of the action. The system is encased in a waterproof durable housing that holds 5 hours of Li-Poly rechargeable power for maximum portability. The cameras utilize the versatile RAM mounting system, so installation or tear-down is a snap. The system can be optionally configured to power from the aircraft (24v or 12v power must be specified). The system can also be interfaced to the headset to record the pilot conversation (headset connection must be specified). For the techie that wants more, the optional data module can be added, which will overlay air speed, altitude, and/or Latitude and Longitude across the screen in real-time!

- FEATURES -

• 10 split screen modes
• SD memory card storage (up to 16Gb)
• Integrated Lithium Ion power
• Completely waterproof
• Remote Control for start/stop recording
• Portable design
• Direct video playback(review in the field (no PC required)
• Rugged construction with universal mounting capabilities

- APPLICATIONS -

• Flight Training
• Sight Seeing / Touring
• Air Shows
• Competitions
• Platform Independent
  □ Planes
  □ Helicopter
  □ Ultra light
  □ Hot Air Ballon
  □ Sky Diving
## - PACKAGE CONTENTS -

Sony 550 scanline CCD color bullet cameras (4)  
12 foot camera cables (4)  
RAM ball and socket camera mounts (4 sets)  
Stereo audio communication cable (1)  
8Gb SD memory card (1)  
Video Editing Software (1)  
TV & PC video transfer cables (2)  
Charger (1)

## - TECHNICAL SPECS -

### Cameras:
- 1/3 inch CCD color bullet cameras
- .5 LUX
- 2.8mm lens
- IP67 waterproof rating
- 80 mAh current draw

### DVR:
- 720x480x30fps
- H.264 video compression
- MPEG 4 video file type
- 2 inch color LCD viewer
- SD memory card (up to 16Gb)
- 5v Li Ion power

### Mounts:
- Rubber ball to Metal Socket Design
- 360 degrees of rotational freedom
- Zero creep under load
- Vibration dampening materials and design

### Shell:
- Polycarbonate outer shell
- Rubber Inner liner
- Shock and vibration tested using MIL-std-801D
- IP 67+ water and dust ingress stds (submersible for short duration)

### Cables:
- Urethane, 300v max, 105 degree C
- Maintain high flexibility in extreme heat and cold
- Threaded anti-vibration waterproof connectors

### Power:
- 5000 mAh Li Ion 12v power
Shell Dimensions: 6.5” x 4.75” x 1.5”

Camera Dimensions: 2.5” x .6” dia.
SYSTEM DIAGRAM

Hardwire port (optional)

One-Touch Remote Control

Audio Headset Patch Cable

Camera 3 & 4

Camera 1 & 2
4.75 inches wide

6.75 inches long

2 inches tall
**SCREEN SPLITTING OPTIONS**

**QUAD MODE**

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**DUAL MODE (PIP)**

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This system also supports single channel mode and full screen multi-camera sequencing.
- SYSTEM MOUNTS -

- Strap Clamp Mount
- U-bolt Mount
- L Bracket Mount
- 2 inch Coupler
- Straight Mount
- Swivel POD
- SYSTEM ACCESSORIES -

24v to 12v power conversion (Optional)

Audio Headset Cable (Included)

Air speed, altitude, Lat/Long. Data overlay module (Optional)
4 inch external LCD monitor for remote viewing of camera recording (Optional)