

ADVR

Airborne Digital Video Recorder

ADVR simultaneously records **four independent videos** (MPEG4), in PAL, Y/C, RVB, SD SDI (2 channels), on a **Compact Flash Card**. Videos can also be **streamed** over Ethernet (MPEG2TS). Video files are compressed in **H.264**, are playable on Mac/PC and are time stamped (GPS, IRIG B or PTP). **ADVR** has neither mechanical parts nor battery which ensures **reliability and durability**. Video files integrity is ensured by **Super Capacitors** in case of electrical breakdown.

FEATURES

VIDEO & AUDIO INPUT

- 4 channels PAL, Y/C, RVB or SDI (max 2)
- 1 audio channel (full duplex)

VIDEO & AUDIO FORMAT

- H264 video compression
- AAC audio compression

STORAGE

- Removable rugged CF card
- 16 GB or 32 GB cards available
- MPEG2-TS streaming (UDP broadcast)

VIDEO OUTPUT

- 2 composites
- 1 HD SDI "quad view" (Q3 2012)

VIDEO INSERTION

- IRIG B, GPS, PTP (Q3 2012) Time Stamp
- GPS location (Q3 2012)
- 20 characters free text

VIDEO REPLAY

- Each video is playable individually with VLC like software
- "QUAD view" playable on PC delivered

INTERFACES

- Wire remote controller (record)
- 3 discrete inputs
- Serial RS232 (setup)
- Serial RS232 (GPS location / time)
- 10/100 Ethernet (video streaming / PTP time synch)

DIMENSIONS

- Dimensions 148 x 41 x 134 mm (w x h x d)
- Weight 1,2 kg
- Conducted cooling
- Power supply 18 – 32 V DC (max 11 – 36 Volts)
- Super capacitors provide 30 sec. survival
- Power consumption 20 Watts max

ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature -40°C to +70°C (DO160 Section 4 Cat A1)
- Storage Temperature -40°C to +85°C
- Humidity (DO160 Section 6 Cat B)
- Altitude 50 000 feet (DO160 Section 4)
- Acceleration (DO160 Section 4 Cat A1)
- Shock (DO160 Section 7)
- Vibration (DO160 Section 8)
- EMC / EMI (DO160 Section 21 Cat M)



EASii IC SAS

EASii IC is a company specialized in electronic, microelectronic and industrial software.

With 140 people, we build integrated circuits, SOCs, software and hardware systems for applications such as mobile phones, consumer electronics, connectivity, entertainment, medical, automotive, security, Aeronautic & Defense.

You can also visit our website at <http://www.easii-ic.com>

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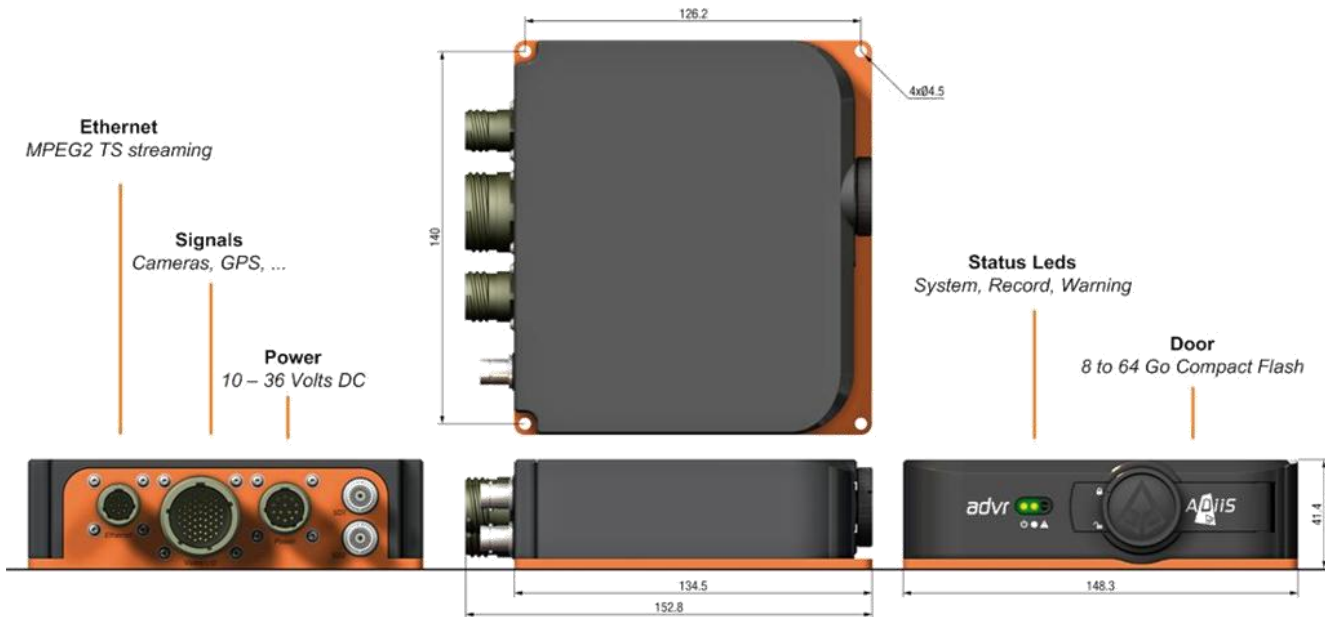
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ADiis has developed a quad player based on common viewer to enable “next to the aircraft” debriefing.

Player synchronizes four independent MPEG4 video files recorded on compact flash

ADVR is delivered with all connectors, Compact Flash reader, configuration software and PC quad player.

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