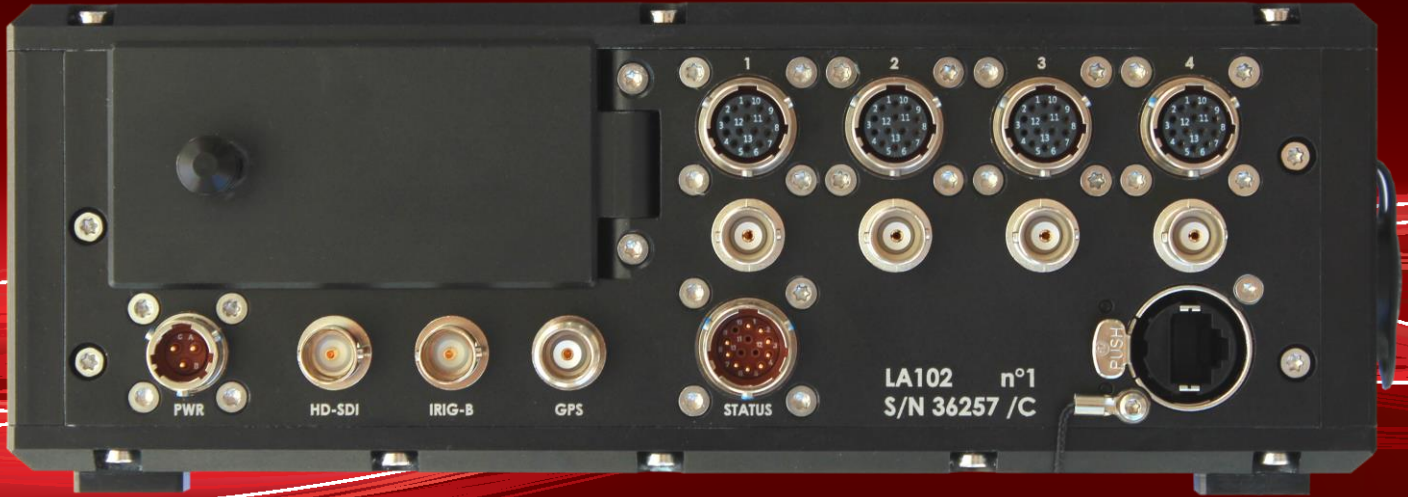




The AOS ASTREC-4 for high speed streaming cameras takes performance to a new level. With its fan less aluminium housing, the ASTREC is ready for harsh environments. The controller accepts up to 4 H-EM high speed streaming cameras for direct-to-disk recording. The comprehensive I/O control offers a convenient embedding into aircraft or ground tests objects. Key features are:

## AOS ASTREC-4

Controller	Intel Core i7-3555LE (Ivy Bridge) 2.5GHz dual core
Housing	Robust aluminium housing
Camera interface	Supports up to 4 H-EM streaming cameras
Streaming	Up to 40 mins / camera
Recording into RAM	Each camera can record into RAM for 4 seconds and supports automatic download to SSD after recording is finished
Recording Technology	Circular buffer (RAM or SSD), setting of 0-100% pre-post trigger by user
Systemdisk	1x 64GB SSD / Windows 7 embedded x64 IoT and AIS V4 mounted (optional Windows 10)
Data Disk	256GB Data SSD per camera in removable bay, optional 512GB per camera
UPS	Uninterruptable Power Supply for 10 minutes
Connections	4x H-EM camera, 4x Trigger input, 1x HD-SDI, 1x LAN, 1x IRIG-B, 1x GPS antenna, 1x Status I/O, 3x USB 2.0, 1x Power (DC in)
Input Voltage	9-36 VDC / 60 Watts
Operating Temperature	-40°C to 45°C
Dimension (W x L x H)	304 x 234 x 84 mm
Typical Weight	5.4kg / 11.9 lbs
Video out	HD-SDI output
Trigger in	Individual Trigger input per camera
Software	Comprehensive Imaging Studio V4 software for piloting all H-EM cameras



### Environmental Certification

Meets the following EMI standards

RTCA/DO-160G: 2010, Section 16  
MIL-STD- 461 E CE 102  
MIL-STD- 461 E RE 102  
MIL-STD- 461 E RS 103  
MIL-STD- 461 E CS 101  
Test report available on request

Meets the following environmental standards

MIL-STD-810F - 500.4 Proc. II  
MIL-STD-810F - 501.4 Proc. I  
MIL-STD-810F - 503.4 Proc. I  
MIL-STD-810F - 507.4  
MIL-STD-810F - 513.5 Proc. I, II and III  
MIL-STD-810F - 514.5  
MIL-STD-810F - 516.5 Proc. I & V  
RTCA-DO-160 G §8 category R  
Test report available on request



ASTREC-4 with 3x USB interface and UPS