

L-Blast records blast in mining site – recording taken with 1000fps

L-BLAST 1000 – the high performance compact high speed camera
High light sensitive high speed camera with Full HD Resolution of 1920 x 1080 pixel @ up to 1000 fps.

The L-Blast is particularly suited for all applications where a compact, portable, high resolution and robust camera is essential. The highly light-sensitive sensor covers the most ambitious application in blasting application.

High Light Sensitivity – with 1920 x 1080 pixel sensor with newest 10 micron pixel technology the L-Blast 1000 series offers ISO 3600 for color and ISO 8'000 for mono for recording under critical light conditions.

Drone ready – Easy integration into drones with AOS Drone Kit MAP2 (order separately)

Full Package – L-Blast 1000 comes with HDMI output and built in CFast card interface

Software – The Imaging Studio v4 SW suite leaves no wishes open for the most demanding applications

L-BLAST Key Specifications

Frame rate vs Resolution L-Blast 1000

Resolution y x	Resolution x	Max fps
1920	1080	1000
	900	1200
	720	1500
	512	2080
	256	4000
	128	7410
	16	29200

Resolution and fps may be set individually in the given speed ranges. Gain in fps by reducing the vertical resolution.

Recording time in sec vs memory size

Memory size (GB)	L-Blast @ 1920 x 1080 @ 1000fps
4	2.0
8	4.0
16	8.0

Extended recording time by reducing resolution and/or framing speed.

Optical specifications

Sensor Type	CMOS Sensor
Pixel size	10micron
Sensor Format	4/3"
Light Sensitivity	ISO 8000 (mono) ISO 6000 (color)
Exposure Time	Global, from 1/framing speed down to 2 usec
Dynamic Range	10 Bit
Gain	3 gain settings available by means of control software
Lens mount	C-Mount, adapter for F-Mount optional

Camera and control features

Buffer Type	Circular Buffer, parametrized by Software
Trigger IN	Input for start stop recording, falling edge, switch closure
Trigger modes	Pre- post recording, adjustable in steps of 1 frame
Lens mount	C-Mount, adapter for F-Mount optional
I/O tolerance	TTL compatible I/O, up to 24V tolerant
Power requirements	10...36V Volt / 25-30 Watts
Sync in / out	Sync in / out on camera
Auto exposure	Auto Exposure for brightness control
Auto-download	Auto download to PC after recording
Control SW	AOS Imaging Studio V4 included
Built in Battery	Up to 30 min on battery, rechargeable

Data Interface

Data	Gigabit Ethernet
I/O	Solid 14 pin LEMO connector
Armed OUT	Armed out to indicate camera status ready for recording
Remote ON	For remote switch of of camera (e.g. by drone control)
Set to recording	Set camera into recording
HDMI	HDMI Display interface for live and status information
Non-volatile memory	CFast card interface
Drone operation	Need AOS Drone Kit MAP2 part# DRNKIT-2

Physical specifications

Size	w:75 x h:75 x l:124 mm (w: 2.95" x h: 2.95" x l: 4.88")
Weight	1.15kg (2.5lbs)
Storage Temp	-40°C ... +70°C non condensing
Operating Temp.	-10°C to 45°C
Ext. Temperature Range	Extended operating temperature from -30°C to 45°C optional
Mounting	M6 Mounting threads on top bottom ¼" for tripod mount
CE	CE tested

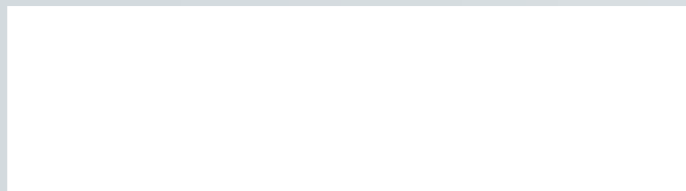


L-BLAST ground based, controlled by remote control recording taken with 1500fps



L-BLAST mounted on drone and ready to fly

Your local AOS partner:



Technical specifications and dimensions are subject to change without any prior notice – April 2019

