# Product Overview

## High-speed cameras & streaming systems

Imaging for smart decisions…

As of 21.10.2026

### About AOS Technologies

AOS Technologies AG in Baden-Daettwil, Switzerland, develops and builds high-speed cameras and high-speed streaming systems. Since 1998, AOS cameras have been used worldwide in automotive crash testing, defense and aerospace testing, industrial troubleshooting and scientific research. Since 2025, AOS has been part of the Photron Group and continues its core operations and Swiss engineering in Baden.

This overview lists all current products with their key specifications. It is created automatically from www.aostechnologies.com, so it always shows the latest data.

| 19 | 227'268 | 4.92 |
|---|---|---|
| models | fps maximum frame rate | megapixels maximum resolution |

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# Non High-G Cameras | Product Overview

High-speed camera not specifically designed to withstand high g-forces; suitable for use in scientific research, engineering and manufacturing, off-board automotive crash tests, biomedical engineering, and sports analysis.

### J-PRI
With its 2560x1920 pixels and up to 2000 frames per second this high resolution high speed camera captures the smallest details

### L-PRI
With its 1920 x 1080 pixels and up to 3500 frames per second this full HD high speed camera leaves no wish open in regards of resolution and framing speed.

### M-PRI
1280 x 800 pixel at up to 4000 fps, the M-PRI offers the extra speed. The state of the art CMOS sensors, offers you a bright picture even in poor lighting conditions.

### PROMON 2000 HSR
High-Speed Recorder with 1920x1080 @ 1000 fps & Up to 8TB Storage

## Key specifications

More information: www.aostechnologies.com/high-speed-cameras/non-high-g

| Model | Resolution | Megapixels | fps @ full resolution | fps @ 1920x1080 | fps @ 1280x720 | Max fps | Sensor size | Pixel size | Bit depth | Memory | Data interface | Leaflet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **J-PRI** | 2560 x 1920 | 4.92 | 2060 | 3550 | 4920 | 32'000 | 4/3" | 7.80 µm | 10 | 128 GB | GigE | PDF |
| **L-PRI** | 1920 x 1088 | 2.09 | 3530 | 3530 | 5250 | 76'400 | 4/3" | 10.00 µm | 10 | 128 GB | GigE | PDF |
| **M-PRI** | 1280 x 864 | 1.11 | 3844 | – | 4588 | 67'567 | 4/3" | 14.00 µm | 10 | 128 GB | GigE | PDF |
| **PROMON 2000 HSR** | 1952 x 1080 | 2.11 | 1000 | 1000 | 1498 | 78'698 | 4/3" | 10.00 µm | 8/12 | 8000 GB | GigE | PDF |

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# High-G Cameras | Product Overview

AOS cameras are rigorously tested for shock resistance up to 150g / 11ms and spikes up to 200g. Most models feature a built-in g-sensor for shock monitoring and can serve as a trigger for recordings. To safeguard your valuable data, sequences are immediately stored in the rescue flash, ensuring data protection in case of power loss

### L-VIT Platinum
A camera with all features! A compact high resolution high speed cameras with 1920 x 1080 pixels at up to 2500 fps.

### L-VIT 2500
L-VIT - a series of ultra compact high resolution high speed cameras. L-VIT are a range of self-containing high speed cameras with 1920 x 1080 at up to 2500 fps, ideal for on...

### L-VIT 1000
ideally suited for space limited locations such as experienced in automotive onboard crash tests and military / defense tests.

### N-VIT
The N-VIT is ideal for applications requiring a compact, portable, high-resolution and robust camera. The newest-generation sensor is fully covered by 1" lenses, substantially...

### M-VIT Platinum
A camera with all features, extra speed and sensitivity! A compact high speed cameras featuring a very light sensitive 1280x864 pixels sensor.

### M-VIT 4000
ideally suited for space limited locations such as experienced in automotive onboard crash tests and military / defense tests.

## Key specifications

More information: www.aostechnologies.com/high-speed-cameras/high-g

| Model | Resolution | Megapixels | fps @ full resolution | fps @ 1920x1080 | fps @ 1280x720 | Max fps | Sensor size | Pixel size | Bit depth | Memory | Data interface | Leaflet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **L-VIT Platinum** | 1920 x 1080 | 2.07 | 2500 | 2500 | 3740 | 195'600 | 4/3" | 10.00 µm | 10 | 16 GB | GigE | PDF |
| **L-VIT 2500** | 1920 x 1080 | 2.07 | 2500 | 2500 | 3740 | 195'600 | 4/3" | 10.00 µm | 10 | 16 GB | GigE | PDF |
| **L-VIT 1000** | 1952 x 1080 | 2.11 | 1000 | 1000 | 1504 | 100'000 | 4/3" | 10.00 µm | 10 | 16 GB | GigE | PDF |
| **N-VIT** | 1920 x 1400 | 2.56 | 846 | 1096 | 2287 | 130'000 | 1" | 6.60 µm | 10 | 16 GB | GigE | PDF |
| **M-VIT Platinum** | 1280 x 864 | 1.11 | 3716 | – | 4451 | 227'268 | 4/3" | 14.00 µm | 10 | 16 GB | GigE | PDF |
| **M-VIT 4000** | 1280 x 864 | 1.11 | 3716 | – | 4451 | 227'268 | 4/3" | 14.00 µm | 10 | 16 GB | GigE | PDF |

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# MIL-rated Cameras | Product Overview

AOS cameras have a decades-long history of delivering excellent results in demanding testing applications, accumulating hours of in-flight use. Even 15+ years after deployment, they continue to be serviced and supported. An investment that lasts.

**N-EM**
Engineered and certified to meet MIL 810 environmental and MIL 461 EMI specifications, the N-EM camera is purpose-built to excel in the most demanding applications.

**Q-EM**
The Q-EM is a camera used under the toughest conditions. This high speed camera is especially equipped with functionality as required in airborne store separation tests.

**S-EM**
The S-EM is a camera used under the toughest conditions. This high speed camera is especially equipped with functionality as required in airborne store separation tests.

## Key specifications

More information: www.aostechnologies.com/high-speed-cameras/mil-rated

| Model | Resolution | Megapixels | fps @ full resolution | fps @ 1920x1080 | fps @ 1280x720 | Max fps | Sensor size | Pixel size | Bit depth | Memory | Data interface | Leaflet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N-EM | 1920 x 1400 | 2.69 | 846 | 1096 | 1530 | 131'810 | 1" | 6.60 µm | 10 | 16 GB | GigE | PDF |
| Q-EM | 1696 x 1710 | 2.90 | 500 | – | 1546 | 100'000 | 1" | 8.00 µm | 8 | 10 GB | GigE | PDF |
| S-EM | 1280 x 1024 | 1.31 | 500 | – | 718 | 100'000 | 4/3" | 14.00 µm | 10 | 10 GB | GigE | PDF |

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# Streaming Cameras | Product Overview

AOS offers streaming solutions for every application and budget, from economical USB-based cameras to advanced streaming cameras with 1920x1080 resolution at 1000 fps. Perfect for production failure analysis, factory floor troubleshooting, and educational purposes.

### PROMON U750
The PROMON U750 is a very competitive entry level high speed camera recording directly to PC via USB3.

### PROMON U800
The PROMON U800 is a very competitive entry level high speed camera recording directly to PC via USB3.

### PROMON U1000
The PROMON U1000 is a very competitive entry level high speed camera recording directly to PC via USB3.

### PROMON 2000
With 1920 x 1080 pixels Full-HD resolution and the ability to stream at 1000fps directly to a flash disk, the PROMON 2000 is a significant breakthrough in high-speed recording...

## Key specifications

More information: www.aostechnologies.com/high-speed-streaming/streaming-cameras

| Model | Resolution | Megapixels | fps @ full resolution | fps @ 1920x1080 | fps @ 1280x720 | Max fps | Sensor size | Pixel size | Bit depth | Memory | Data interface | Leaflet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PROMON U750** | 1280 x 1024 | 1.31 | 203 | – | 284 | 5'813 | 1/2" | 4.80 µm | 8 | 2000 GB | USB3 | PDF |
| **PROMON U800** | 1280 x 1024 | 1.31 | 210 | – | 295 | 4'444 | 1/2" | 4.80 µm | 8 | 2000 GB | USB3 | PDF |
| **PROMON U1000** | 1984 x 1264 | 2.51 | 138 | 166 | 350 | 4'651 | 2/3" | 4.80 µm | 8 | 2000 GB | USB3 | PDF |
| **PROMON 2000** | 1952 x 1080 | 2.11 | 1000 | 1000 | 1498 | 78'698 | 4/3" | 10.00 µm | 8 | 2000 GB | 10GigE | PDF |

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# Streaming Systems | Product Overview

Discover our mobile high-speed streaming systems designed for efficient troubleshooting on the factory floor and in production failure analysis, significantly reducing assembly line downtimes. Explore the capabilities of our 24/7 high-speed recording cameras for your production lines and assembly units. Learn how our cameras can minimize downtime and accurately document every flaw in the production process.

**PROMON 2000 HSR**
High-Speed Recorder with 1920x1080 @ 1000 fps & Up to 8TB Storage

**PROMON SCOPE G4**
Seeing is believing - increase productivity and reduce downtime

**PROMON Streamer**
The PROMON STREAMER is a compact all-in-one long time high speed streaming system.

## Key specifications

More information: www.aostechnologies.com/high-speed-streaming/streaming-system

| Model | Resolution | Megapixels | fps @ full resolution | fps @ 1920x1080 | fps @ 1280x720 | Max fps | Sensor size | Pixel size | Bit depth | Memory | Data interface | Leaflet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PROMON 2000 HSR** | 1952 x 1080 | 2.11 | 1000 | 1000 | 1498 | 78'698 | 4/3" | 10.00 µm | 8/12 | 8000 GB | GigE | PDF |
| **PROMON SCOPE G4** | 1280 x 1024 | 1.31 | 210 | – | 295 | 4'444 | 1/2" | 4.80 µm | 8 | 430 GB | USB3 | PDF |
| **PROMON Streamer** | 1280 x 1024 | 1.31 | 210 | – | 295 | 4'444 | 1/2" | 4.80 µm | 8 | 2000 GB | GigE | PDF |

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