# Imaging Studio v4



## **AOS Imaging Studio v4**

### Imaging Studio v4 (AISv4) is an integrated and comprehensive software suite, easy to operate yet powerful.

AlSv4 combines the latest programing technology with the experience of being the market leader in the high-speed imaging for years. Its sophisticated user interface offers a complete new workflow and understanding of operating high-speed cameras. Control and save all the application relevant camera and recording parameters, including multiple motion detection areas, auto shutter settings and multi buffer features – per camera! Control mixed setups with conventional self-contained high-speed cameras and high-speed streaming cameras.

## **Key Features**

- Control streaming and self-contained high-speed cameras with the same software on the same controller at the same time
- Simultaneous control of multiple cameras (Global Command)
- Multi buffer feature with different recording parameters
- Export and import camera settings
- Export and import overlay settings
- Setup, record, edit, export and review your recordings all with AISv4
- Place a region of interest anywhere on the sensor by having full control over X- and Y- offset
- Job Manager export your recordings to RAW4 and AVI at the same scheduled time

- Multi-Motion detection, as trigger or event marker
- Auto exposure, free definable ROI and controls
- Camcorder mode use the high-speed streaming camera like a camcorder
- Trigger to picture auto save an image when trigger button is pressed
- Open various sequences, synchronize them to the trigger frame and control them all synchronously – easy comparison of time shifted recordings
- Insert your company logo and export the edited sequence as an AVI for further use
- Multi language support (English, German, French, Chinese, Korean, Portuguese, Spanish)
- Install on as many PC as required for playback, editing and image data conversion purposes

Some features are camera depending



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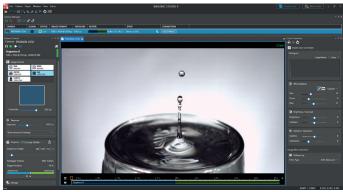
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#### Software

AOS Imaging Studio v4 is a modern and intuitive operating software which can be installed on any number of computers, in order to edit recorded sequences without a camera, convert these into other formats, or perform further analysis. If connected to a camera, all device and recording parameters can be easy and clearly set. This is software that is unmatched.



Graphical parametrization of the camera setting with Imaging Studio v4 CameraSuite



Comprehensive editing - and export function of the recorded sequence with Imaging Studio v4 MovieSuite

Parameters	Camera control, recording settings, playback and file conversion	
Auto-store Function	Auto-store function in PC for 24/7 recording supported	
Trigger Modes, Positions	Pre-post recording, adjustable by software from 0% to 100% in increments of 1 frame of total available recording time Re-arm after trigger for instantaneous new recording	
File Formats	Recording in AOS native format for performance reasons, conversion to avi mpeg, mpeg4, single image formats such as BMP, JPEG, TIFF, Gif etc.	
Snap Shot	Single snapshot of live images supported	
Motion Detection	Motion trigger and motion event marking in file	
Auto Exposure	Auto exposure, free adjustable ROI	
Event Markers / Bookmarks	Events in the sequence can be tagged by bookmarks for easy orientation / finding	
OSD	Information on camera, recording features, time stamp, camera name may be added in image data, Position of OSD is set by user	
Custom Specific	Extended functions for custom specific use are easy to integrate Contact us for further details	

Some features are camera depending

Camera Control 🗸 🕇 🗙 🛛	xtended Camera Settings 🛛 👻 🔻 🕽
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Sequence 3	🔄 Camera Buffer List 🗠
Sequence 5 2048 x 2048 @ 571 fps, 250 Frames	Memory/Storage Overview Available: 1.2 GByte Free: 414.3 MByte
Image Format	0 1 2
VGA SVGA VGA 640x480 SVGA 800x600	Buffer Settings
HD HD720 UXGA	ID NAME IMAGE FORMAT
HD HDTV	0 Sequence 1 1280 x 720 @ 2383 Fps
1920x1080 2048x2048 Custom	<b>1</b> Sequence 2 800 x 600 @ 4157 Fps
<b>2</b> 048×2048	<b>2</b> Sequence 3 2048 x 2048 @ 571 Fps
	Mass Storage Settings
	Mass Storage Overview
	•
	J Occupied: 14.9 GByte Free: 58.4 MByte
Framerate: 571 Fps	Auto buffer save: Off *
	Save sequence after power removed for 3 s
🔅 A Exposure 🔆 🗠	🧬 Camera Operation Settings
Auto Exposure: 196 us	✓ Auto Next Buffer Acquisition
Show Advanced Settings	Auto power on
	Start Recording after power up
🖆 Sequence 📰 🔿	Shutdown after power removed for more 0 s
	I/O Settings
Sequence Length: 250 Frames	Trigger Polarity Falling Edge *
	Trigger Debounce
Pretrigger Length: 125 Frames	Trigger Delay 0 us
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#### **Optional Feature Packages**

- External data service
- Integrate GPS, IRIG-B or other data into the recorded sequence
- Motion Analysis AOS Motion Analysis Studio – powered by TEMA engine
- AlSv4 as a windows service Access it over Ethernet / Wifi from everywhere with the AlSv4 Client (available on request)
- AOS v4 SDK (available on request)
- Multi language support



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