Streams™ 7

SCIENTIFIC VIDEO RECORDING SOFTWARE

Licensing Structure:

License Features	Core	Single	Multi	Developer
	Streams 7 License Type			
Ordering Part Number	S7CORE	S7SINGLE	S7MULTI	S7SDK
Number of Video Devices allowed for recording	Up to max. avail. on DVR Express Core	One	No Limit	None
Number of Non- Video Devices allowed for recording	No Limit	No Limit	No Limit	None
License Type	Embedded in Core	USB License Dongle - Portable		
Develop new plug-in modules or customized control applications	No	No	No	Yes

Intuitive, Flexible and Powerful Video and Data Recording

APPLICATIONS

Critical Event Recording

Mission Data Gathering

Industrial Troubleshooting

Experimental Data Logging

FEATURES INCLUDE:

- Simultaneous recording from multiple cameras and other streaming data types
- Supports NTSC/PAL, LVDS, Camera Link, CoaXPress, HD-SDI , IP Cameras, GigE Vision and USB3 cameras
- Supports inertial measurement systems, analog and digital data acquisition hardware, serial and IP data streams and more.
- Synchronize timestamps using PC, GPS or IRIG-B
- Designed for demanding recording applications
- Compatible with high-performance hardware

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IO INDUSTRIES

WHAT IS STREAMS 7?

IIO Industries' Streams™ 7 is the latest in PC-based video capture software for advanced imaging and testing situations. Streams™ 7 is designed to handle all of the data recording requirements for any application. Whether your needs are to record a single video camera in the lab or multiple high-speed cameras at a rocket launch, Streams™ 7 has the capability. But Streams™ 7 is about much more than video recording; it provides simultaneous data recording from a variety of streaming devices, synchronizing these data streams using computer time, GPS time, or IRIG-B time.

Streams™ 7 includes Device Drivers for many of today's most popular frame grabbers and data interface devices, including IO Industries' own DVR Express® Core uncompressed peripheral video recorders. This support means Streams™ 7 is capable of capturing from a vast selection of high-speed CMOS cameras, high-resolution CCD cameras, multispectral and infrared cameras using the popular Camera Link, GigE Vision, CoaXPress and USB interfaces. A growing list of GPS receivers, IRIG-B receivers and inertial navigation equipment is also supported.
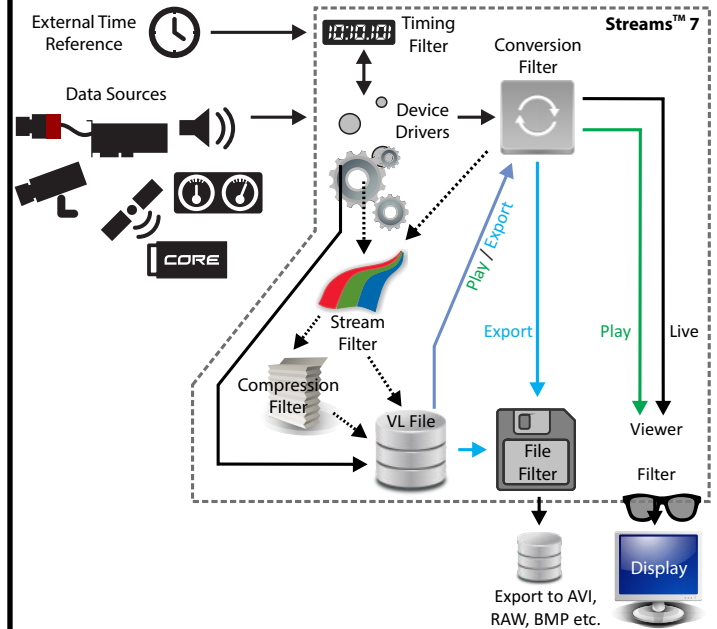
SYSTEM REQUIREMENTS

- Microsoft Windows XP/7/8/10
- Linux Ubuntu 14.04 LTS
- Dual Core or Hyperthreaded CPU
- 2GB RAM
- 100MB Hard Drive Space (for application)
- Suitable storage device for recording video
- 1024x768 display with dedicated graphics card
- USB Port (for license key)

WAYS TO CUSTOMIZE

The Streams™ 7 SDK allows programmers to create any of the drivers or filters shown here, or design the Streams™ 7 recording engine into existing software applications.

FEATURE COMPARISON

Included Features (No Extra Cost)	Streams™ 7 Core	Streams™ 7 Single	Streams™ 7 Multi
Time Sync with IRIG or GPS	X	X	X
Multi-Station Network Control	X	X	X
Pre- and Post-trigger Recording	X	X	X
Python Script Automation	X	X	X
Streaming to Disk or SSD	X	X	X
Uncompressed Video Recording	X	X	X
Wavelet Video Compression		X	X
Customized Event Markers	X	X	X
Time Lapse Recording	X	X	X
Output Look-up-Tables (LUT)	X	X	X
Thumbnail or Pixel Value view	X	X	X
Waterfall view for Linescan	X	X	X
Stream Filters for Analytics	X	X	X
Bayer Demosaicing	X	X	X
Non-Uniformity Correction	X	X	X
Image Rotation, Zoom, Fit	X	X	X
GPS Overlay	X	X	X
ROI Selection	X	X	X
Export AVI, MOV video files	X	X	X
Export BMP, JPG, TIFF, PNG images	X	X	X
Export WAV, TXT or timestamps	X	X	X
Archive Recordings to VL format	X	X	X
Full Customization with S7SDK	X	X	X

COMPATIBLE DEVICES

- Video Frame Grabbers for NTSC/PAL, LVDS, Camera Link, CoaXPress or HD-SDI Cameras from Active Silicon, Bitflow, Euresys, Imperx, Matrox, National Instruments, Pleora, Silicon Software, Teledyne DALSA and more. Also compatible with video devices supported by Microsoft DirectShow.
- IO Industries DVR Express® Core uncompressed video recorders.
- GigE Vision, DCAM 1394 Firewire and USB3Vision Cameras from many industrial camera vendors. Also IP Cameras from Axis Communications.
- Sound Cards supported by Microsoft DirectSound or ASIO protocol.
- IRIG-B and GPS receivers from Meinberg, Garmin, Trimble and any models using standard NMEA protocol.
- Inertial Measurement and Navigation Systems from Novatel, Systron Donner and Watson Industries.
- Analog and Digital Acquisition hardware from Data Translation, National Instruments, and more.
- RS-232 and Ethernet interfaces for serial or UDP data logging.
- Laser Altimeters, Range Finders and LIDAR systems from MDL, Laser Atlanta, L-3 ALST and Riegl.
- Atmospheric Measurement Systems from Aventech

Please contact us for specific models or other manufacturers