



SCIENTIFIC VIDEO RECORDING SOFTWARE



Licensing Structure:

| License Features | Streams 7 License Type | | | |
|--|---------------------------------------|-------------------------------|----------|-----------|
| | Core | Single | Multi | Developer |
| 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



WHAT IS STREAMS 7?

IO 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.

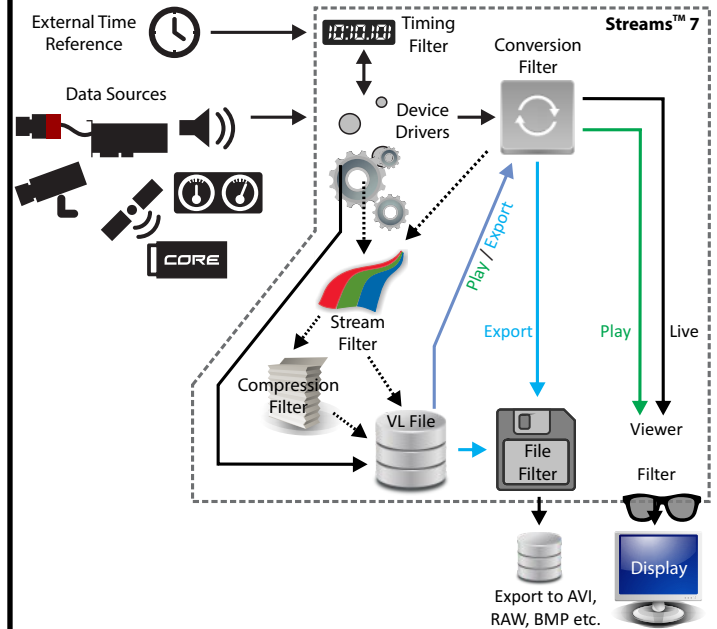
SYSTEM REQUIREMENTS

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

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 |

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.

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

Visit us at: www.ioindustries.com
 15940 Robin's Hill Road
 London, Ontario, Canada, N5V 0A4
 Tel: +1 519 663 9570
 Email: sales@ioindustries.com

LET'S STAY CONNECTED!



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Datasheet Rev. 2.1 (08/23/2019)
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