IO INDUSTRIES

Camera workflow software for Professionals

Low cost – multiple camera/device control –
data stream synchronisation – GPS / IRIR-G timestamp

2ndLook

2ndLook:
Simple to use software for real-time synchronisation video recording from PC-connected cameras.

Streams™ 7

Streams™ 7:
Comprehensive software for recording from multiple devices and synchronising data recording/ playback using computer time, GPS time, or IRIG-B time.

OFFICIAL DISTRIBUTOR FOR THE UNITED STATES

SPECIALISED IMAGING

Specialised Imaging Inc.
40935 County Center Dr. Suite D
Temecula, CA 92591, USA

Visit: specialised-imaging.com
Email: ioi@specialised-imaging.com
Call: +1 951-296-6406

2ndLook

VIDEO RECORDING SOFTWARE

RECORD.

REVIEW.

RESULTS.

USB3 VISION | GigE Vision | IP Camera RTSP Compliant | DIRECT SHOW

Flexible File-Based Recording from Industrial Cameras

APPLICATIONS

- **Production Line Troubleshooting**
- **Multi-Camera Motion Capture**
- **Research Imaging**
- **Process Monitoring**

FEATURES INCLUDE:

- Real-time synchronized video recording from PC-connected cameras
- Supports USB3 Vision, GigE Vision, RTSP IP and DirectShow cameras
- Easy to use interface with interactive help
- Record directly to popular file formats (AVI, TIFF etc.)
- Supports concurrent recording formats

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WHAT IS 2NDLOOK?

IO Industries' 2ndLook software for MS-Windows and Linux is a flexible, cost-effective tool designed for PC-connected video recording in either the factory or the research lab. Troubleshooting a manufacturing process and the recording of scientific experiments are common applications for this easy-to-use video recording software.

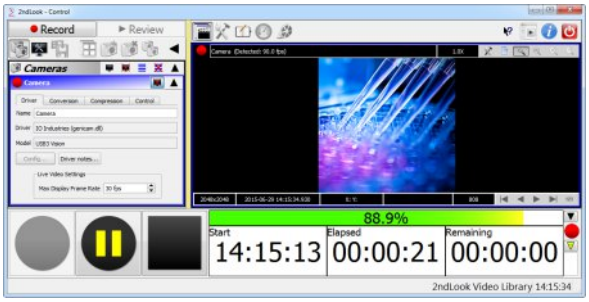
2ndLook has been tested with an extensive list of video cameras that are popularly used in industrial and scientific applications. 2ndLook's advanced camera-independent GenICam driver supports USB3Vision, GigE Vision, RTSP IP and DirectShow interfaces.

It takes only a few minutes to get up and running with 2ndLook. Install the software on your PC-laptop or workstation, connect a camera, and you'll be recording the action in less than a minute. Commonly used camera settings are conveniently accessible; specialized settings are accessible in a GenICam tree control.

2ndLook has a high-performance recording engine, supporting compressed and uncompressed storage formats, that can accommodate fast frame-rate video cameras. Recording speeds are limited by the media write-speed of your computer. A Benchmark tool is included to test that your media write-speed can accommodate the video rate of your camera.

With flexible file-based recording, 2ndLook has the ability to record directly to many popular file formats such as JPEG, AVI, RAW and many more.

USER INTERFACE



Record Perspective

Review Perspective

SYSTEM REQUIREMENTS

- Microsoft Windows 7/8/10 (32-bit or 64-bit)
- Linux Ubuntu 14.04 LTS (32-bit or 64-bit)
- 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

COMPATIBLE CAMERAS

Supported camera interfaces: USB3 Vision, GigE Vision, RTSP IP and DirectShow.

The following cameras have been tested:

- Allied Vision
- Basler
- Baumer Optronics
- FLIR Systems
- Imaging Solutions Group
- JAI
- PixeLINK
- Pleora Technologies
- Point Grey Research
- Sentech
- Sony
- Teledyne DALSA
- Toshiba Teli
- Ximea

Please contact us for specific models or other manufacturers

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Streams™ 7

SCIENTIFIC VIDEO RECORDING SOFTWARE

Licensing Structure:

	Streams 7 License Type			
License Features	**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

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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.

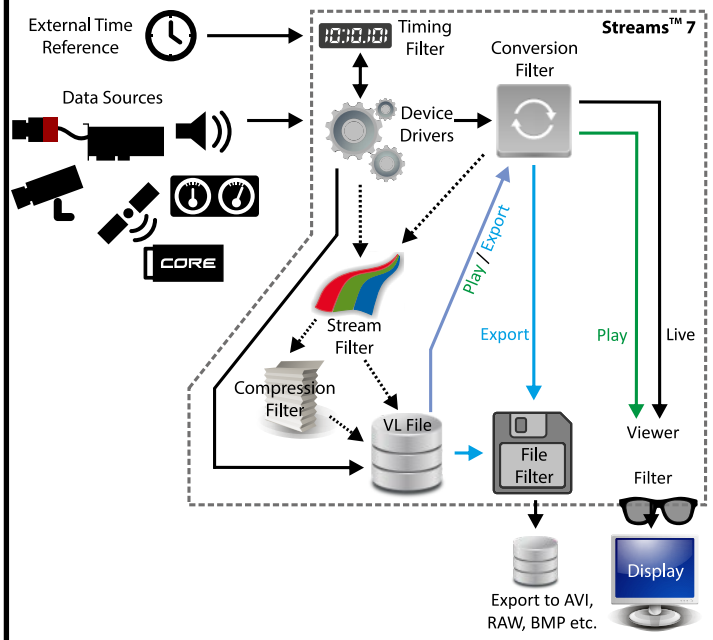
SYSTEM REQUIREMENTS

- Microsoft Windows XP/7/8/10
- 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)

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

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