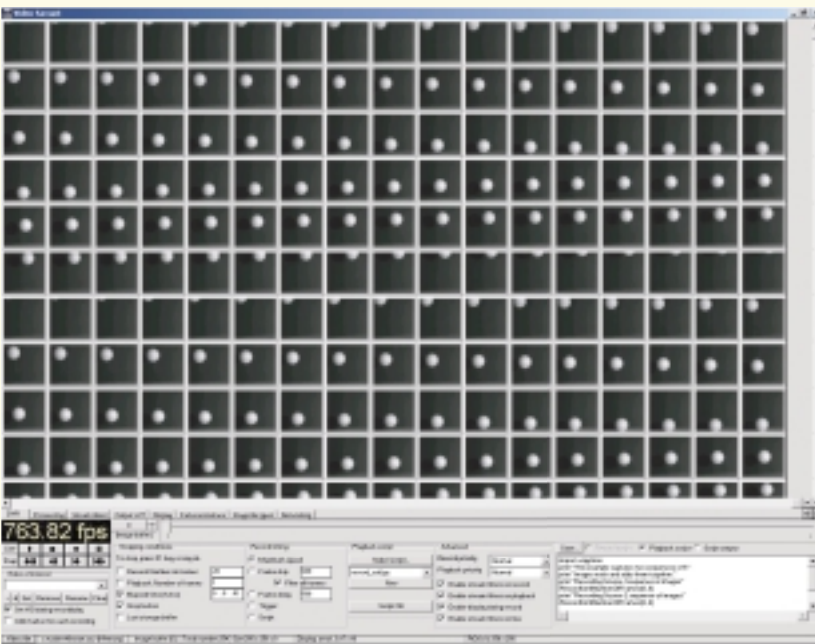


# VIDEO SAVANT

**IO INDUSTRIES**  
The Experts in DVR Technology

**4.0**



## High Speed Digital Video Recording Software

### Applications

- High speed motion recording
- Long duration video recording
- Flow recording for PIV systems
- Event recording for industrial process monitoring systems
- Remote sensing
- Sensor testing
- Film scanning
- Road Inspection

IO Industries **Video Savant 4.0**<sup>®</sup> is a complete family of software products designed specifically for applications requiring digital video recording (DVR).

In this fourth generation software release, Video Savant's high-speed recording capabilities are enhanced with an expanded set of DVR controls. A new, streamlined user-interface provides efficient access to these powerful new features.

## Key Features

- Video recording from area scan and line scan cameras
- Uncompressed (or compressed) real-time video recording to hard disk or system memory; Maximum sustained video recording data rate over 1 GByte/sec<sup>1</sup>
- Records from most types of digital and analog cameras including Camera Link<sup>TM</sup>, LVDS, RS-422, Firewire<sup>®</sup>, RS-170 mono/RGB, CCIR mono/RGB, NTSC, PAL, S-Video, and non-standard analog
- Supported image types: monochrome 8 to 16 bits, RGB 8:8:8, RGB 5:5:5, RGB 5:6:5, YUV 4:2:2; image decoding for multi-tap formats, Bayer color formats
- DVR features include triggering with pre-trigger buffer, event marking, display during recording, variable frame rates, multiple stopping conditions
- Playback video as frames or waterfall (line scan); full-screen or in a window; zoom in/out; display as image thumbnails; output look up tables
- Simultaneous recording of additional data streams such as GPS, IRIG-B, analog data signals, altimeter, INS; data stream playback/viewing is supported<sup>2</sup>
- Import/Export image files in AVI, TIFF, JPEG, BMP, raw binary, ASCII text file formats
- Integrated Python scripting environment for automated record, playback, image processing
- Interactive image processing and analysis library; real-time, host-based image processing capability<sup>2</sup>
- Centralized control of multiple computers, each running Video Savant, on a local area network<sup>2</sup>
- Develop custom solutions using C/C++ and Visual Basic programming libraries<sup>3</sup>
- Supports over 40 frame grabbers from popular frame grabber manufacturers including IO Industries **DVR Express<sup>TM</sup>** camera interface
- Supports Microsoft<sup>®</sup> Windows<sup>®</sup> XP Pro, Windows<sup>®</sup> 2000, Windows<sup>®</sup> NT 4.0<sup>4</sup>

<sup>1</sup> IO Industries DVR Express camera interface is required for recording to hard disk at 1 GByte/sec.

<sup>2</sup> This feature is only available in Video Savant Pro 4.0.

<sup>3</sup> Requires Video Savant SDK 4.0.

<sup>4</sup> Some frame grabbers may not be supported under all operating systems.

## Video Savant Product Family

**Video Savant Basic 4.0** and **Video Savant Pro 4.0** provide interactive video recording, and playback.

The additional features of **Video Savant Pro 4.0** include: record and playback/viewing of additional data streams; real-time and static image processing; and centralized control of multiple computers, each running Video Savant (Pro, Basic, or RTL), over a local area network.

**Video Savant SDK 4.0** includes software libraries and documentation for developing custom solutions in C/C++ and Visual Basic, and can be purchased with either Video Savant Basic 4.0 or Pro 4.0.

**Video Savant RTL 4.0** is a low-cost software license that allows applications developed using Video Savant SDK 4.0 to be executed.

**Video Savant Viewer 4.0** is a low-cost software license for playback of video files and data streams recorded by Video Savant Basic, Pro, or SDK custom applications

