



## DVS-PRO SOFTWARE PACKAGE

### Description

**DVS Software Package (Digital Video Surveyor)** – is the complete solution ideal for video, audio, text and telemetry recording, report generation which is used either in diver surveys or ROV surveys.

Basic version of «DVS-Pro» includes:

- Several video channels recording and playback (up to 8 cameras).
- Up to 2 audio channels recording and playback.
- Telemetry data recording and playback (RS-232/422/485).
- Telemetry units constructor for data interpretation and data overlay on video as requested.
- Collected material is presented as clips data base. The clips contain special information marks.
- Digital report is prepared during the process of work with the system. Post processing is also available.



### Features

- adjustment of video properties (brightness, contrast, hue, saturation, compression)
- full-screen mode
- digital zoom
- marking each record with a specific text information: dive number, survey zone, survey object, information about object, video cassette counter fields and etc (all this information must be inputted manually)
- read-only of raw data protection
- serial devices and sensors (telemetry) connection via serial ports (RS-232/422/485)
- ability to split telemetry data to separate data fields
- telemetry data interpretation
- telemetry fields overlay
- titles overlay
- reviewing as a log of records
- records are structured by survey zones and objects
- sorting records either by zones or objects
- searching for events, marking events and saving events to separate video files
- frame-by-frame playback
- editing audio comments
- creating JPEG stills during either recording or playback
- creating AVI files in DivX format during playback
- exporting telemetry data to text file with tabulated fields for further processing in Microsoft Excel, Microsoft Access, AutoCAD, MapInfo and other compatible programs.

**Video Properties:** 720x576 pixels, 16 million colors, 25 fps.

**Size of compressed video (1 hour):** From 810 Mb to 5.4 Gb (depends on quality).

## Software Package Composition

### Recording Software "Recorder"

Recording software "Recorder" is used for:

- Video capture from analog or digital camera via video digitalizing device.
- Video data collecting for archive.
- Base construction to present collected video data. Each video record is supplied with text information characterizing the given record.

At the same time digital video report of package working is created.

"Recorder" allows make both fragmentary recording (to record video clips about the objects of interest on manager's command or operator's request), and nonstop recording (video recorded without operator's participation).

### Projects Editing Software "Editor"

"Editor" software is used for editing project data recorded in "Recorder". It allows:

- Create project editions
- Move through the records created during the survey and view them in various modes
- Edit linked text blocks
- Delete records from edition
- Export video clips to AVI format
- Export data into text file with delimited fields
- Create disc images for recording on CD/DVD and other storage
- Rewrite audio comments
- Create bookmarks

### Playback software "Player"

Playback software "Player" designed for replaying DVS report represented as disc images, prepared in "Editor" software.

### Additional camera handler software "R-Client"

"R-Client" software is additional camera handler (DV or PAL).

If system performance is not enough for handling additional camera, "R-Client" could be installed on additional computer equipped with a video capture device and connected via LAN to primary computer with "Recorder".

Management of additional camera parameters is performed via "Recorder" software (Main camera).

## Minimal System Requirements

CPU	Intel Pentium-IV 2GHz
RAM	256 MB
HDD	80GB (30 hours of continuous recording)
Video	64 MB
Video Capture Device	Conexant BT8x8 based card, or IEEE 1394 DV device
Serial Ports	Serial ports (COM) for external device connection
Operating System	Microsoft Windows XP
DirectX	DirectX 8.0 and higher