Software complex MultiVision 2

For Tral 5 Series

Software complex MultiVision 2 is compatible with servers of Tral 5 series as well as the servers' archives without network interface.

The new user interface makes it possible to create patterns with several pages of various numbers and window location versions. It is compatible with both the monitors with standard height-to-width ratio, wide-screen monitors and FullHD panels.

Friendly user interface makes it possible to create new patterns and change their configuration (window location, type of the page) without interrupting the viewing.

The software complex includes the following programs:

MultiVision 2 – FilePlayer operating the archive;

MultiVision 2 - NetViewer viewing video on-line;

MultiVision 2 - MsnToAvi re-encoding fragment to *.avi format;

MultiVision 2 - MsnGPS extracting GPS-track from the fragment;

MultiVision 2 - Options specifying global settings of the bundled software.

<u>**System requirements:**</u>

- operating system Windows XP/Vista/7;
- processor with frequency up to 2 GHz;
- active memory up to 1024 Mb;
- audio and video card (discrete AGP or PCI-Express);
- network interface (10/100/1000).

MultiVision2 – FilePlayer

Program for viewing archives both from the server via network connection and directly from the archive's storage (USB-Flash, USB-HDD or USB-Vision). The program also supports working with the saved fragments of the archive in .MSN3 format as well as with the catalogue as a whole archive. The program also helps to combine archives from various sources in one pattern (both local and distant ones) and view them synchronically. The archive is navigated by the time-line with preview and activity diagram, by switching to preset date and time as well as navigating through events from the list. The selected fragment of record can be saved both in *.MSN3 internal format and in *AVI format saving subtitles and time stamps.

Basic characteristics:

- scalable activity diagram with time marks;
- dynamic preview development by time-line;
- block-by-block search fwd/bwd;
- variable playback speed fwd/bwd;
- tabs, time and event switches;
- viewing of archive from external sources (USB-drive) with various file systems (including EXT 3 Linux);
- making of JPEG photos and AVI video fragments with time and date specifications.

MultiVision2 - NetViewer

Program for online viewing of video from network servers uniting video streams from several servers on a single page of a pattern. When viewing the information concerning current events, time, frames per second and video stream is imposed on the picture. The pattern may contain several pages with various window configurations. Switching over pages is carried out manually or automatically after preset period of time.

Basic characteristics:

- connection to the selected server when launching from the menu of Tral 5 – Launcher;
- when using patterns simultaneous viewing of up to 9 cameras and support of large numbers of video servers;
- patterns with one, four, six, nine and twelve video windows;
- access to network video storages by IP address or domain name;
- identification according to the name of the server, name of audio and video streams;
- subtitles (date, time, frames per second etc);
- three-level system of password protection;
- automatic reconnection at link disconnection;
- mode indicator for each camera in video window.

The programs for setting network servers of Tral 5 and Tral 3 series are integrated into the bundled software. The program is called from the context menu of the active window.

Basic settings of the server:

Video settings:
- channel name;
- frames per second;
- color, brightness, contrast, saturation.

Settings of Record Mode:
- permanent, according to the activity sensor or external sensor
- setting of masking zone and operating threshold of the program activity sensor;
- setting of post-recording time according to the sensors;
- timetable recording
- selection of the archive's location (USB-drive or/and network drives with access modes SMB/NFS);
- archive's status check (disk fill, record's start and end time)
- circular or pre-fill recording.

Performance monitoring functions:
- send mail (e-mail) to the address specified according to the timetable or certain events specifying the reason for mail generation and server's current status;
- picture in *.JPEG format or fragment in*.AVI format enclosed to the letter.

Network settings:
- the way of network settings acquisition (fixed settings or use DHCP-server)
- network domain name appointment.

Time settings:
- automatic switch to daylight saving time and vice versa;
- synchronization with local computer or NTP-server;
- time zone selection.

Authorization settings:
- activation of access to the server by login and password;
- setting of the list of profiles with various access rights (settings, archive, viewing).

MultiVision2 - MsnToAvi

Utility program to re-encode the fragment saved in *.MSN3 format to the well-known *.AVI format for further playback in standard media players. When re-encoding any codec installed in the operating system can be selected

enabling to choose the preferable format for the target file. Extended settings of the utility program make it possible to select audio and video channels as well as the type of subtitles to be included into the target file. The channels of video will be displayed as quad splitter when choosing them all.

MultiVision2 - MsnGPS

Utility program for extracting GPS-track from the fragment saved in *.MSN3 format. GPS-track is saved in one of the four most wide-spread formats for further operating in special programs.

MultiVision 2 – Options

Program for adjusting settings of the display parameters in programs FilePlayer and NetViewer.

The software complex also contains programs for adjusting video servers of Tral 5 series, which is run from context menu, related to video channel of the server.