



## SPECIFICATION and FUNCTIONALITY

### Video surveillance module

**Main features Schedule** - Unlimited number of time zones. The system maintains specified time periods for automatic camera operation.

**Audible alert** - Any system event registered by any camera can be followed with a specified sound. Requires sound board.

**Channels** - up to 32

**Frame grabbers** - up to 8 per computer.

**Display** - up to 32 camera flows per computer (at a single virtual screen). Number of virtual screens is not limited.

**Motion detector** - Detection of presence of moving objects. Low error probability. Empirically established presets of image size and sharpness. Configuration of detection area separately for every camera. Visual indication of moving objects' edges. Alarm recording independent for every camera, with specified pre- and post-recording periods. Redistribution of resources in case of alarm.

**Video data compression** - Motion-Wavelet algorithm. Image size depends on resolution, color, compression rate and detalization and varies from 2 to 80 KB.

**Recording format** - Wavelet fragments - 100 frames (configurable) by loop (erasing old and recording new fragments with 100MB buffer (configurable) for every local hard disk drive.

**Local recording** - Separate for every camera. Playback - one camera at a moment. Indexing of video archive at system startup for quicker data search. Search of archived images by date and time. Indication of recording density, per day. Frame-by-frame playback back and forth. Increased playback speed - up to 25 Fps. External decoder and viewer utilities.

**Digital zoom** - x 2, x4, x8, x16. Contrast enhancement of images for sharper and detailed recording under low-light conditions.

**Recording and display modes (display, recording, playback)** - Recording never depends on other modes. Display and playback of images received from a camera depend on each other only in case of a single virtual screen.

**TCP/IP support** - Configuration and control over all objects is possible via LAN, Dialup, ISDN. Remote control - Internet-enabled display and control over cameras and PTZ devices. The system includes a built-in web-server.

**Export of images and movies** - Images can be exported to JPG format. **Movies** - to AVI using any video codec installed in operating system. Export of synchronized video and audio to AVI format.

### Password system

**Demarcation of access to system parameters** - Three levels of access to system structure configuration and object properties.

1. System configuration and management.
2. System management.
3. Monitoring.

### Network features

- **Network architecture** - client-server.

- **Data transfer protocol** - TCP/IP - Remote access - LAN, Dialup, ISDN, Internet Integrated pan & tilt devices

**Hardware** - Integrated PTZ functions.

Videotec DTRMX ,Videotec DTRMX1 ,Dynacolor D7720 ,Samsung SCC-421P ,Samsung SPD-1600, Panasonic WV-CSR600 ,Panasonic WV-CSR400 ,Panasonic Cs850 ,Panasonic Cs854 ,Panasonic Cs860 ,Pelco Spectra II ,Pelco Spectra III ,Vortex 5" Dome ,Sensormatic Ultra Dome IV ,Ad2150 ,Kalatel KTD-312, GANG SZ ,Lilin PIH-7000/7600

**Connection interface** - RS485 ->Rs232

**Operation interface** - Control via mouse, joystick. Audio module

**Hardware** - SoundBlaster (2 inputs).

**Types of sound signals** - Microphone (MIC) [Soundblaster only], Linear (LINE).

**Recording modes** - Synchronized recording of audio and video signals. Microphones - up to 16. Sampling frequency depends on sound board type (SoundBlaster, Midiman Delta, FS5) and its parameters (8000, 11025, 22050 or 44100 Hz).

### Fire and intrusion protection / Access control modules

**Integrated hardware:**PCC FS3/FS4 (8 I/O)

**Interface:**PCI Service features

**E-mail Sender** - the system can automatically send e-mails with attached video images. **V-dial** - automatic dialing by phone in case of specified events with subsequent reading of appropriate messages. Several modes are available: phone is picked up, subscriber answered, or a digital confirmation is received.