

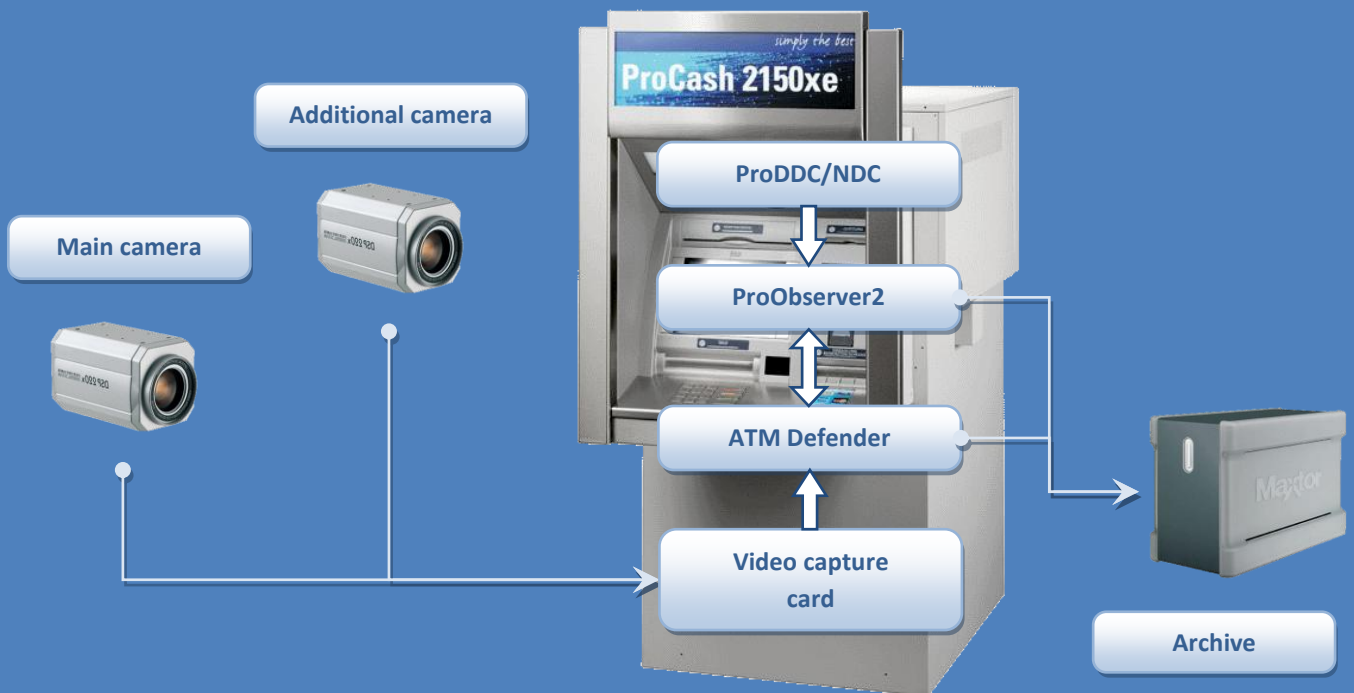
ProObserver 2[©]

video surveillance system



The purpose of this hardware-software complex development is granting to banks the effective and reliable means of tracing the actions of fraud and vandalism on ATMs by keeping the archives of video information. This complex is designed to eliminate or reduce financial losses of the banks as a result of illegal actions with ATMs.

Operation scheme of ProObserver2 video control system on the ATM



System consists of software and hardware. Depending on the needs, structure of hardware and software can be changed. The typical system structure includes:

- video capture card with the following characteristics:
 - 4 input video channels; BNC-connector for video inputs
 - Philips chip, 25fps per card;
 - PAL (360x288, 720x288, 720x576) NTSC (252x240, 704x240, 704x576);
- main camera with the mounting kit;
- hard disk with 160 GB capacity with the mounting kit;
- "ATM Defender" basic software;
- "ProObserver2" software for integration with ATM functional software (optionally).



Capabilities of ProObserver2 video control system

Video record:

- continuous, by motion detector, according to events on the ATM;
- circle recording to the hard disk;
- using "ProObserver2" software all photo frames are provided with data (the date, time and event information occurred at the ATM is recorded);
- possibility of automatic camera activation / deactivation;
- opportunity to record video or a series of video shots in the interval from one ATM event to another, flexible setting of this function;
- advantage of flexible video frame record setting for a certain period time before the event occurrence, or during the certain time after event occurrence (for example, a series of shots starts to be created 5 seconds prior to the card insertion and finishes in 10 seconds after cash reception by the customer).

Software motion detector:

- motion detector easy to adjust (as per time and by sensitivity);
- detector's on and off thresholds.

Video monitoring:

- ability to connect up to 4 cameras with the ability to configure the moment of action for each camera (by motion detector, continuous recording, recording by certain time-out, record on events);
- flexible setting of any configuration and image size;

Video archives:

- archive files are stored in the special format on local hard disk;
- possibility of network search and video frame viewing by the camera and date;
- viewing data frame by frame and in "video" mode with displaying speed adjustment;
- ability to export video in JPEG, AVI and BMP formats.

Protection:

- access password to general system settings;
- password to view the log.

Extras:

- Integration with ProCash / DDC and ProCash / NDC software
- possibility of monitoring and remote control
- main camera is located on the regular place on ATM, which enables to monitor the area near ATM;
- installation of additional cameras may be different, depending on the bank request, development of specific bindings is also possible;
- ability to improve, adapt software and hardware components of the complex in accordance with the customer requirements.



