

AxxonSoft

# Monitoring

Software Package

Monitoring Light

Version 1.3

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# 1 Introduction

## 1.1 Document purpose

This document, *Monitoring Software Package: Monitoring Light*, is a reference aid for system administrators, configuration and installation specialists, and users with administrator rights on the Intellect PSIM.

This guide describes the following:

1. Purpose of Monitoring
2. Purpose of Monitoring Light
3. Hardware and software requirements for Monitoring
4. Installation procedure for Monitoring Light
5. Configuration procedure for the interface of Monitoring Light

## 1.2 Purpose of Monitoring

Monitoring is designed to automate the activities of personnel at service companies involved in the operation of Intellect-powered video surveillance systems. The purpose of Monitoring is to improve the quality of operation for such video surveillance systems.

## 1.3 Purpose of Monitoring Light

Monitoring Light is intended for an additional client workstation. This workstation is used for accessing some Monitoring interface objects.

## 1.4 Features of Monitoring

Monitoring receives, records, and visualizes messages about the state of security system components, based on the following key parameters:

1. Camera operability
2. Network functioning
3. Operability of video subsystem software
4. Amount of recorded video
5. Hard disk operability
6. Operability of fire/security and access control systems
7. UPS signals

In addition, the module allows monitoring the actions of monitoring operators: recorded is performed of whether an alarm has been accepted, how much time passed before the alarm was

accepted, and so forth. The built-in system for statistics and analysis generates reports on system operation: reports on alarms, downtime, statistics on security system operation, and more.

## 2 Hardware and software requirements

### 2.1 Operating system requirements

Monitoring is provided as executable modules that can be run on the operation systems supported by the Intellect software (see the *Operating system requirements* chapter in the *Administrator's Guide*).

The software is compatible with standard operating system settings. On Windows Vista and later, UAC must be disabled. In Windows 8 and 8.1 it is necessary to configure security policies in order to entirely disable UAC (configuring security policies is described in the *Administrator's Guide*).

### 2.2 Hardware requirements

Monitoring can run on PCs that meet the following minimum hardware requirements:

- Intel Core i5 750 CPU
- 2 GB RAM
- 200 GB HDD
- NIC
- Uninterrupted power supply (UPS)

## 3 Installing Monitoring Light

### 3.1 Installer

The Monitoring installer is based on InstallShield 2010 and includes the file setupMonitoring.exe (Fig. 3.1 – 1).

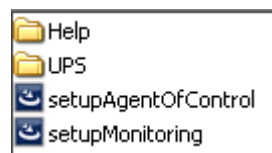


Fig. 3.1 – 1 Contents of the Monitoring installer kit

Documentation is included in the Help folder. The UPS folder contains the software components that are necessary for the Control Agent to perform monitoring of UPS status.

Before beginning installation, copy the installation kit to a local disk and make sure that the indicated files are not marked as "read-only".

### 3.2 Preparing for installation

Before installing Monitoring Light, install Intellect in remote administrator workstation (RAW) mode.

Information on compatibility of *Monitoring* and *Intellect* software versions is given on the page [General information about product releases and versions compatibility](#).

### 3.3 Installation

Installation of Monitoring Light is performed in the following sequence:

1. From the installation kit, start the executable file setupMonitoring.exe. A dialog box appears, informing of the beginning of installation (Fig. 3.3 – 1).

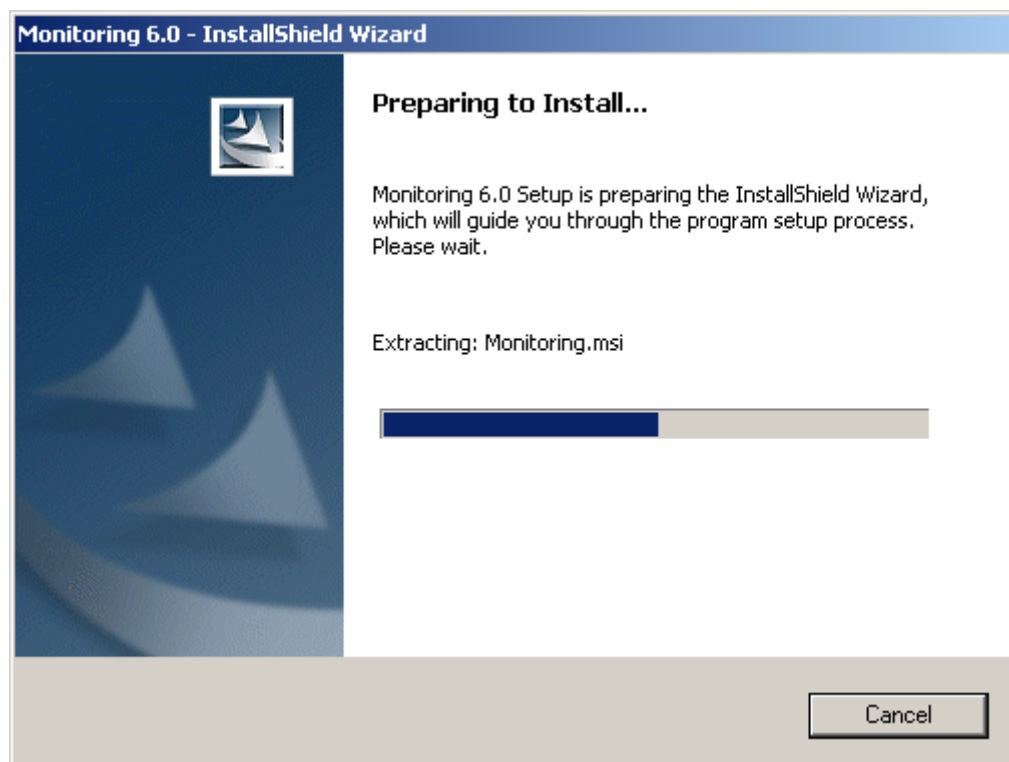


Fig. 3.3 – 1 Preparing for installation

2. A prompt to start installation then appears (Fig. 3.3 – 2). Click the **Next** button.

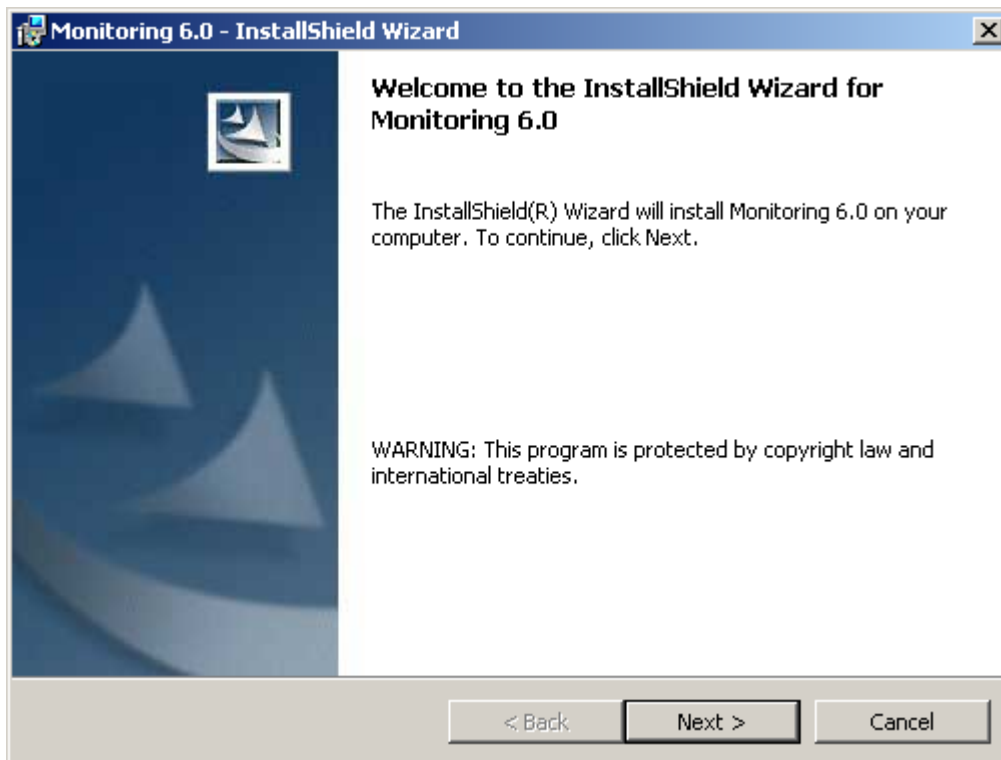


Fig. 3.3 – 2 Beginning installation

3. The **License Agreement** window presents the terms of the end user license agreement. Select **I accept the terms of the License Agreement** and click the **Next** button (Fig. 3.3 – 3).

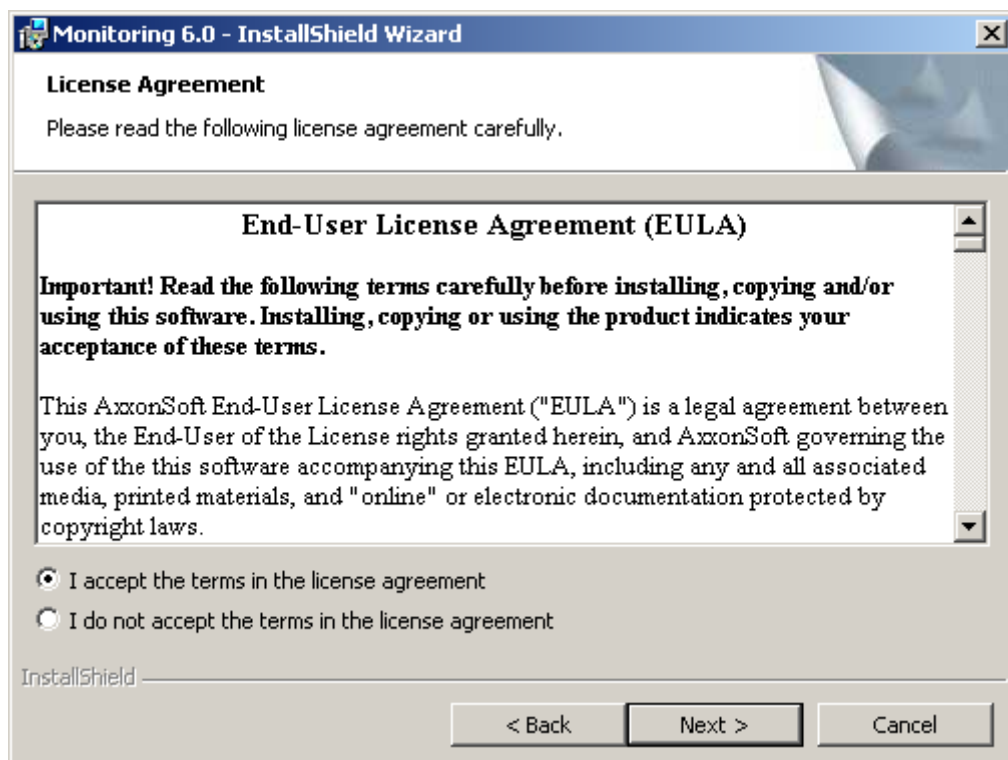


Fig. 3.3 – 3 License Agreement

4. On the next screen, select not to install the Control Server. Click the **Next** button (Fig. 3.3 – 4).

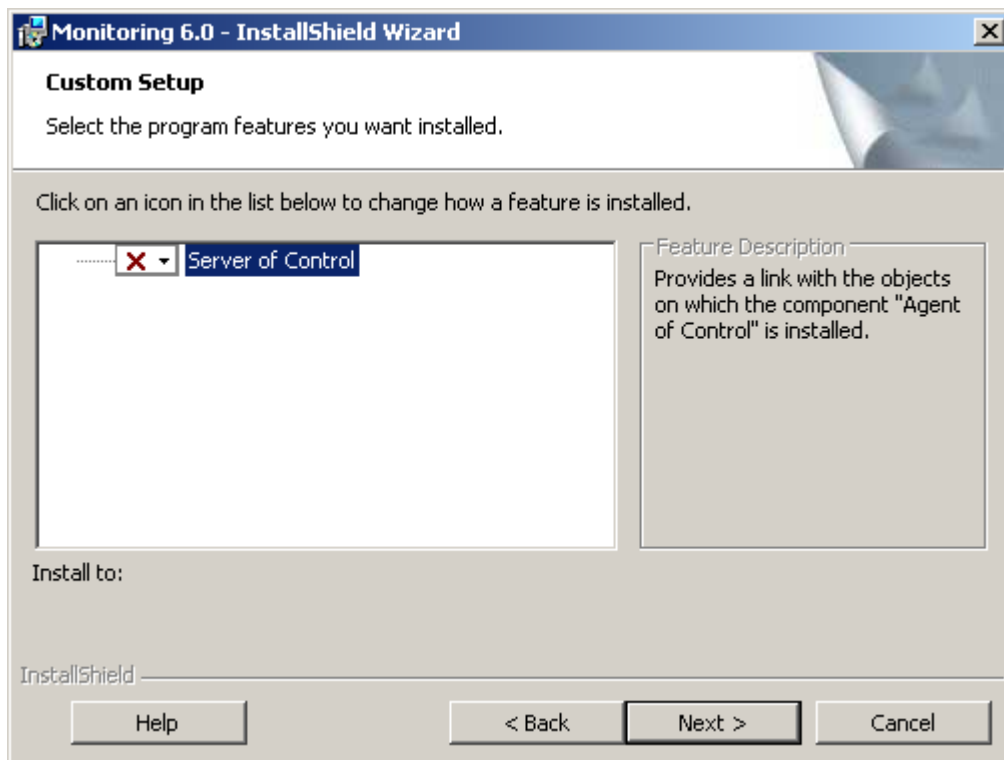


Fig. 3.3 – 4 Selecting installation components

5. A dialog box then appears for configuring the string to connect to the Monitoring database (Fig. 3.3 – 5). Click the **Set** button.



Fig. 3.3 – 5 Setting the string to connect to the Monitoring database

6. In the **Database connection properties** dialog box, select the name of the database server, indicate the name of the database (by default, "MonitorSSTV"), and indicate other connection parameters (Fig. 3.3 – 6). If a password is used, in the **Allow password to be saved** dialog box, select the check box.

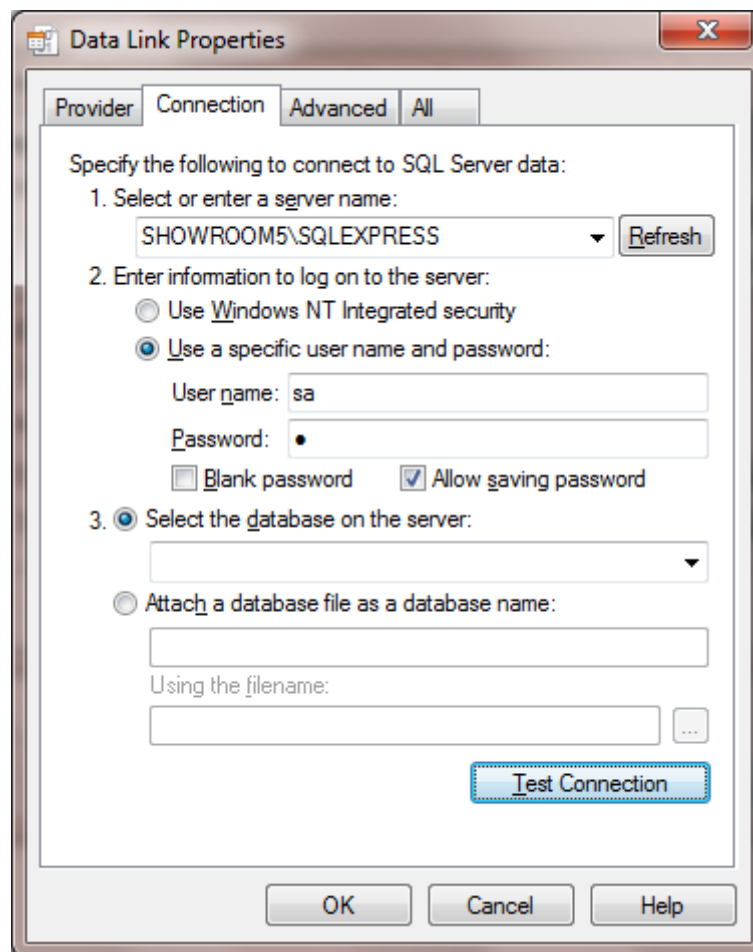


Fig. 3.3 – 6 Database connection properties

7. If the parameters have been indicated correctly and the database server is functional, click the **Test connection** button, after which a message appears: **Test connection succeeded** (Fig. 3.3 – 7). Otherwise, an error message appears.

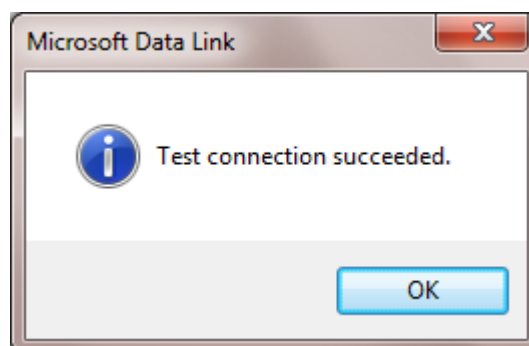


Fig. 3.3 – 7 Message about successful connection verification

*Note: If the English version of MDAC components is installed on the computer, English is used in the dialog boxes in Fig. 3.3 – 6 and Fig. 3.3 – 7 as well.*



8. If the connection string has been properly configured, the message "Connection string determined" appears.
9. The installation process is launched (Fig. 3.3 – 8).

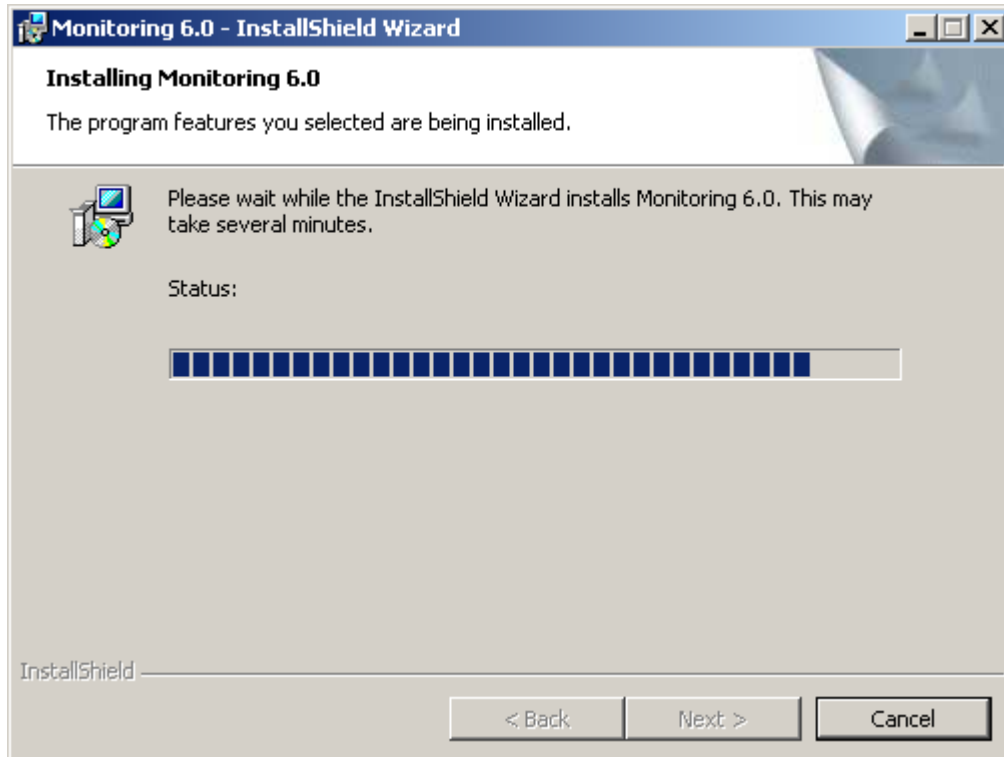


Fig. 3.3 – 8 Installation progress

10. When installation is complete, a wizard page appears with a message about successful installation (Fig. 3.3 – 9). Click the **Finish** button.

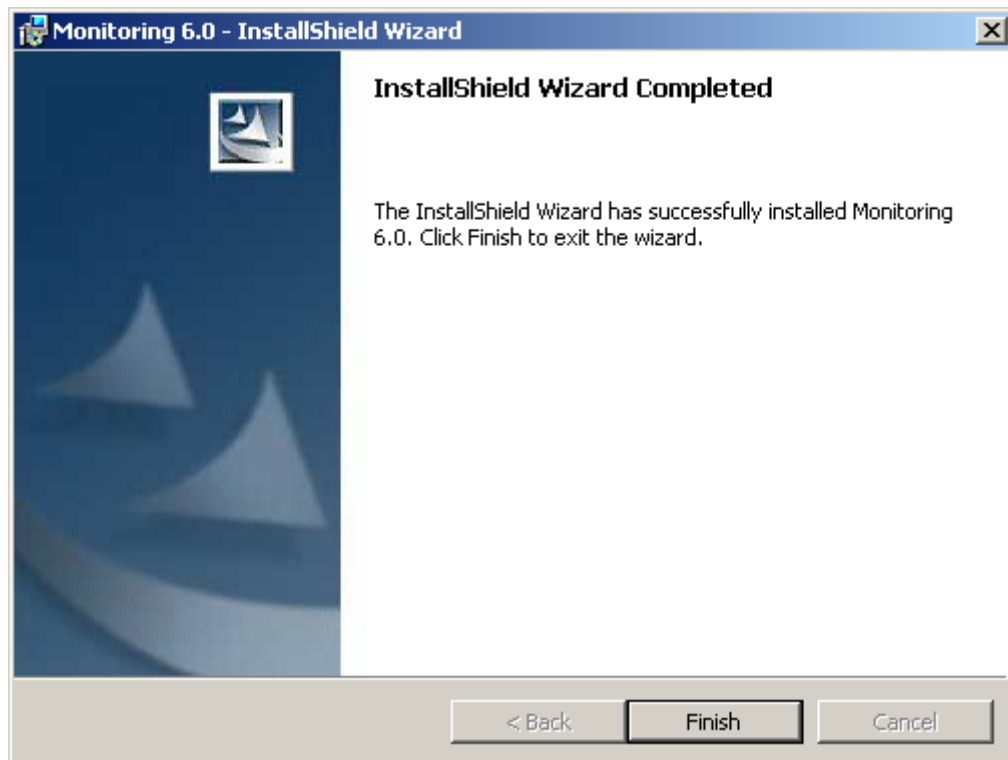


Fig. 3.3 – 9 End of installation

Installation of Monitoring Light is complete.

## 4 Configuring Monitoring Light

The interface of Monitoring Light is accessible through the following interface objects:

1. **Monitoring**
2. **Monitoring Reports**

These objects are created based on the **Screen** object, in the **Interfaces** tab of the **System settings** dialog box. It is recommended to create these objects on the basis of different **Screen** objects (Fig. 3.3 – 1).

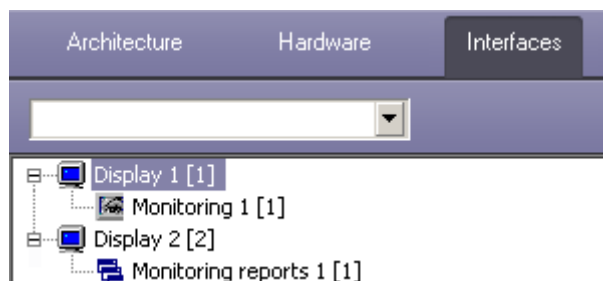


Fig. 3.3 – 1 Interface objects

### 4.1 Configuring the Monitoring interface object

To configure the **Monitoring** interface object:

1. In the object tree, select the **Monitoring** object. On the right side of the **System settings** dialog box, the configuration panel for the relevant object is displayed (Fig. 4.1 – 1).

Fig. 4.1 – 1 Configuration panel for the Monitoring interface object

2. If it is necessary to display the **Control Panel** component on the screen, select the **Control Panel** check box and indicate the on-screen coordinates of the component (see Fig. 4.1 – 1, 1).
3. If it is necessary to display the **Log Panel** component on the screen, select the **Log Panel** check box and indicate the on-screen coordinates of the component (see Fig. 4.1 – 1, 2).
4. To require that operators leave comments when accepting an alarm (to describe the alarm and/or their actions), select the **Non-empty Comment field** check box (see Fig. 4.1 – 1, 3). These comments can later be reviewed in the event log, which also indicates the operator that accepted the alarm.
5. If when live video is attempted to be viewed from Control Panel it is necessary to display a warning that it can create the critical load per channel, set the **Warning when watching live video** checkbox (see Fig. 4.1 – 1, 4).
6. In the **Video stream speed** field specify the frame rate for live video displaying in frames per second (see Fig. 4.1 – 1, 5).
7. For the alarms that you want to visualize, select the corresponding check boxes (see Fig. 4.1 – 1, 6).

Configuration of the **Monitoring** interface object is now complete.

When a screen for which the **Monitoring** object has been created is selected in Intellect, the **Monitoring** interface window is displayed (Fig. 4.1 – 2).

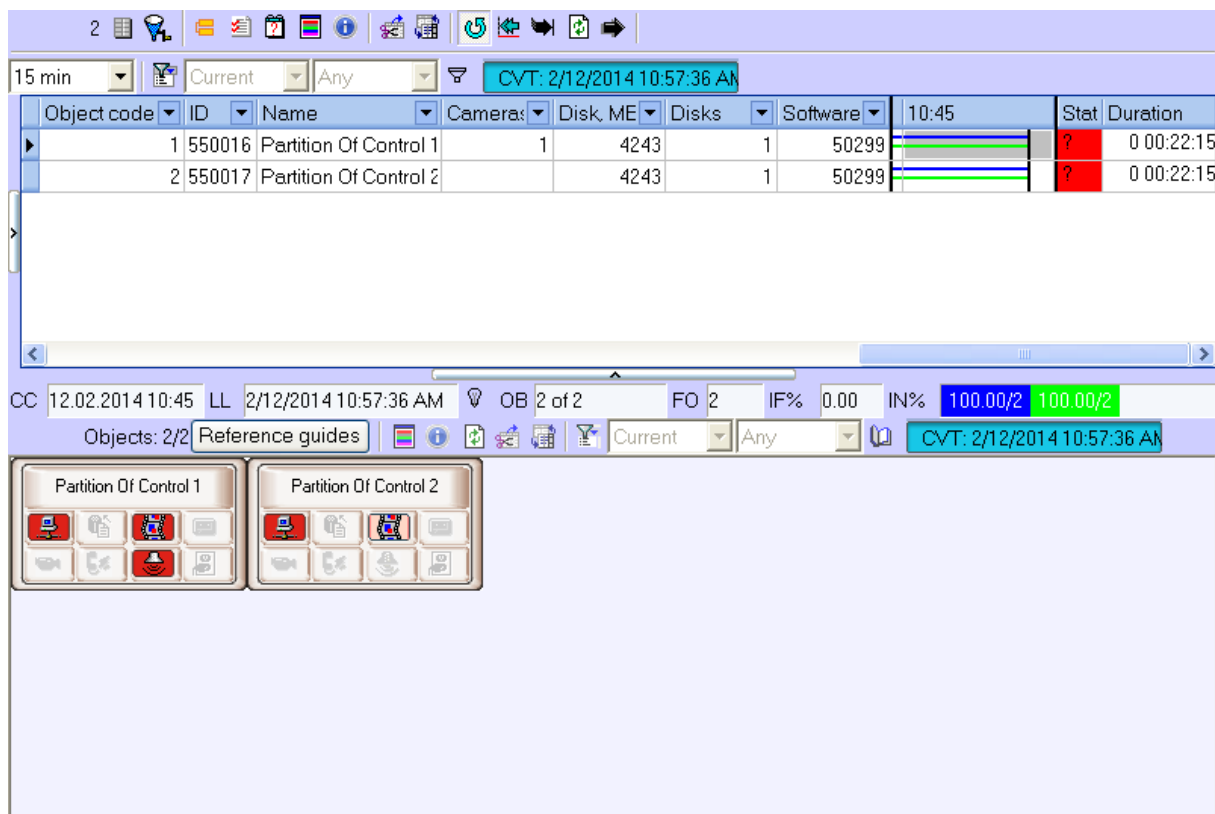


Fig. 4.1 – 2 Monitoring interface window

## 4.2 Configuring the Monitoring Reports interface object

Configuration of the Monitoring Reports object involves setting the location of the object on the screen (Fig. 4.2 – 1).



Fig. 4.2 – 1 Configuration panel for the Monitoring Reports interface object

When a screen used to create the **Monitoring Reports** object is selected in Intellect, the **Monitoring Reports** interface window is visualized (Fig. 4.2 – 2).



Fig. 4.2 – 2 Monitoring Reports interface window