

The AxxonPlayer Portable Utility Installation and Operation Guide

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The AxxonPlayer Portable utility description

The AxxonPlayer Portable utility is designed for viewing and converting the video archive recorded with the INTELLECT™ software package. Installation of the INTELLECT™ software is not required for the AxxonPlayer Portable utility operation. Download the utility on the http://www.axxonsoft.com/resources/downloads.php

For proper operation of the AxxonPlayer Portable utility the graphics card installed on the computer is to support Direct3D or OpenGL 1.2 functionality.

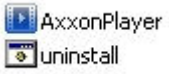
AxxonPlayer Portable utility initial start-up and removal of the environment

Initial start-up of AxxonPlayer Portable utility

> **Attention!**
> It is required to remove environment created by an old version of AxxonPlayer Portable utility from computer on which the new version of the utility is going to be initially started.

To perform initial start-up of the AxxonPlayer Portable utility, do the following:

1. Open the utility distribution package.

2. Run the AxxonPlayer.exe executive file. Wait for starting up complete. Utility files are copied to the C:\Program Files\AxxonPlayer directory. In the **Documents** folder the **AxxonPlayer** directory is created. This directory contains “Export” and “ScreenShots” folders in which video export and frames export is performed on default.

   > **Note.**
   > On initial start-up of AxxonPlayer Portable utility the Axxon Driver Pack is installed. It can’t be removed by standard Windows tools. Axxon Driver Pack is removed automatically when the Axxon Player Portable utility environment removing.

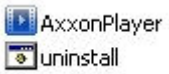
3. After completing of creating environment the Axxon Player Portable utility will be run.

Next run of the AxxonPlayer Portably utility is also performed using the AxxonPlayer.exe executive file located in the distribution package.

Removing of AxxonPlayer Portable utility environment

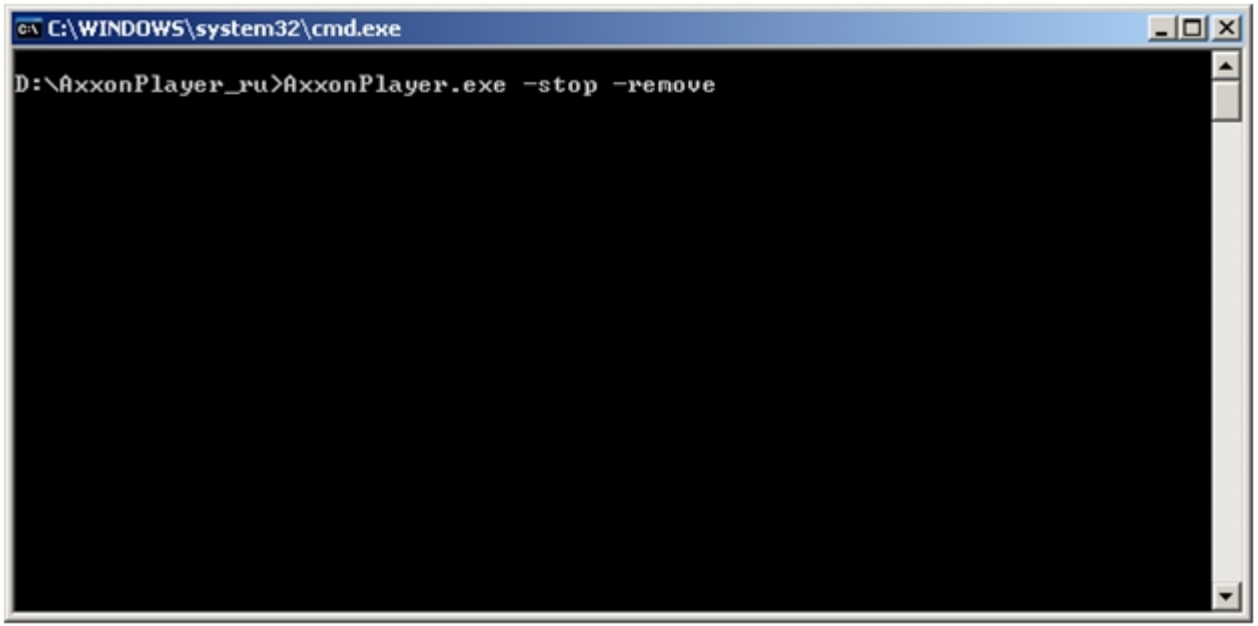
To remove the AxxonPlayer Portable utility environment, do the following:

1. Run the uninstall.bat at the distribution kit.

2. Perform the AxxonPlayer.exe –stop –remove command in the command line from directory where the AxxonPlayer.exe executive file is located.

As a result the AxxoPlayer Portable utility environment will be removed. Namely, the following components will be removed – the C:\Program Files\AxxonPlayer folder and Axxon Driver Pack installed by the utility.



Opening video files in the AxxonPlayer Portable utility

There are three ways to open video files with the AxxonPlayer Portable utility:

1. Double left-click on the archive file (file of *._* type) in the VIDEO folder.
2. Specifying the path using which the access to archive files is to be performed in the utility.
3. Using the command prompt.

Note.
If files that are to be opened were not recorded, but copied, then start the Convert.exe utility to open the archive (see The Convert.exe utility for correcting modification dates of video archives section of the Administrator's Guide).

Opening video files by specifying the path in the AxxonPlayer Portable utility

The following ways are to be used to specify the path to archive files:

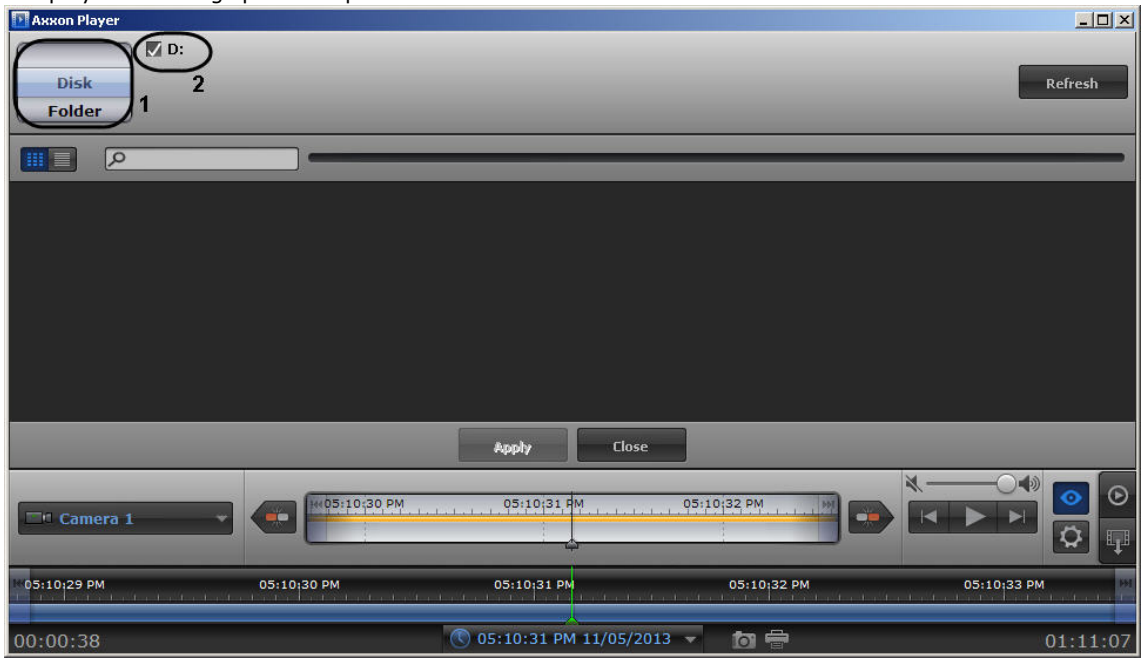
1. Disk - access is performed to all files stored on the specified disk;
2. Folder - access is performed to all files stored in the specified folder;
3. File - the separate file is to be viewed.

To open archive files which are to be viewed with the AxxonPlayer Portable utility, do the following:

1. Click the  button in the Axxon Player window.

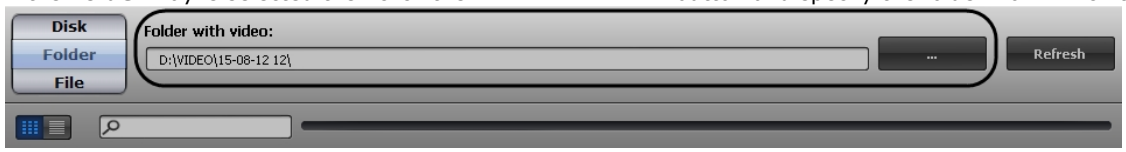


The playback settings panel is opened.



2. Select the way of opening the file: **Disk, Folder** or **File** (1).

3. Specify the path to video files:
   a. If the **Disk** way is selected then set checkboxes next to those disks on which the INTELLECT™ software archive is stored (2).
   b. If the **Folder** way is selected then click the ... button and specify the folder from which the archive is to be viewed using the standard Windows dialog.



   c. If the **File** way selected then click the ... button and specify the archive file using the standard dialog of file opening



4. Click the **Refresh** button. The of list video cameras on which the archive is available by specified path is displayed in the playback window (1)



5. Select video cameras the archive from which is to be viewed (1). To select more than one camera at a time left-click them holding the Ctrl button pressed.

> **Note.**
> Names of the selected video cameras are highlighted with blue. All found cameras are selected on default.

Note.

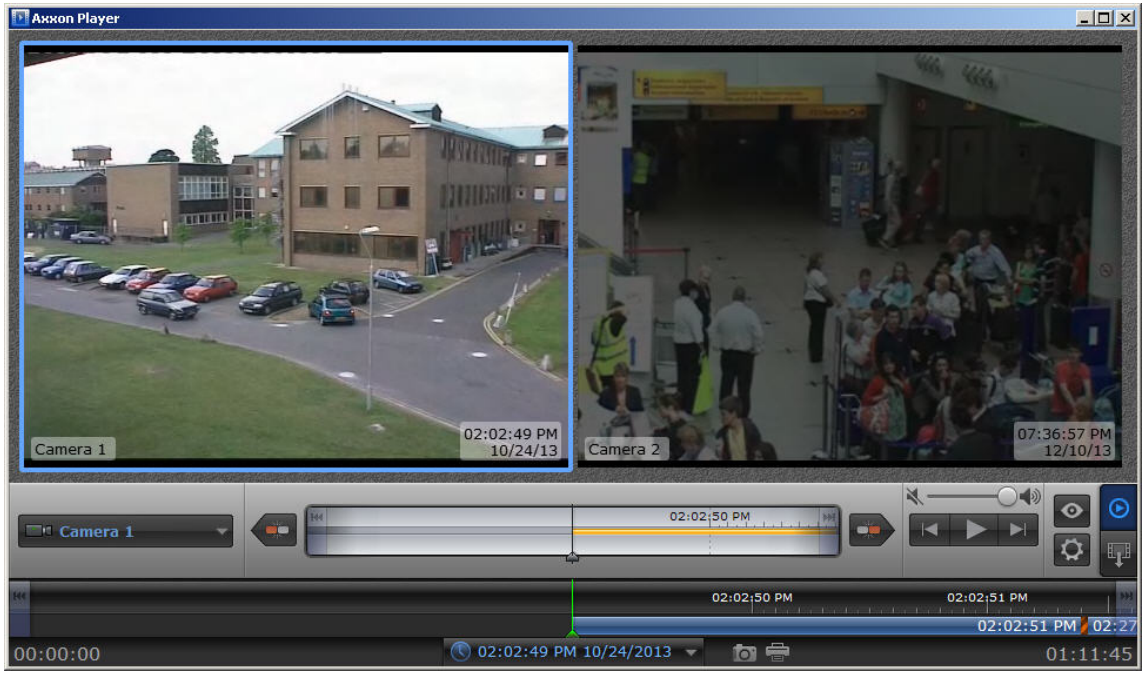
Click the  button to switch over the mode of list viewing by rows (one camera in a row).

Note.

Enter the part of camera name in the **Search** field to search required camera (2).

6. Click the **Apply** button (3).

Playback setting panel is closed. Video images from selected cameras stored in the archive on specified path are displayed in the utility window.



If several cameras are selected for archive playback, it is possible to make the image from one camera fullsized in the utility window. Double click the video image to switch over the full-screen mode. Double click the video image again to return the mosaic mode.

Opening the archive files specifying the path is completed.

Opening video files in the AxxonPlayer Portable utility using the command prompt

It is possible to open video files using the “AxxonPlayer.exe” utility from the command prompt.

To open video files input the following in the command prompt:

Axxon_player.exe --source "File/Folder path". For example, Axxon_player.exe --source "H:\VIDEO\05-05-12 18\15._01".

To select all available disks with the archive use the “all” value of the “source” parameter: Axxon_player.exe --source "all".

To display the window of the Axxon_Player.exe utility over other windows use the “topmost” parameter with “1” value when opening video files using the command prompt. For opening in a normal mode use “0” value of this parameter. For instance, the Axxon_player.exe --source "H:\VIDEO\05-05-12 18\15._01" --topmost "1" command starts the utility in the displaying over other windows mode. By default the “topmost” parameter has “0” value.

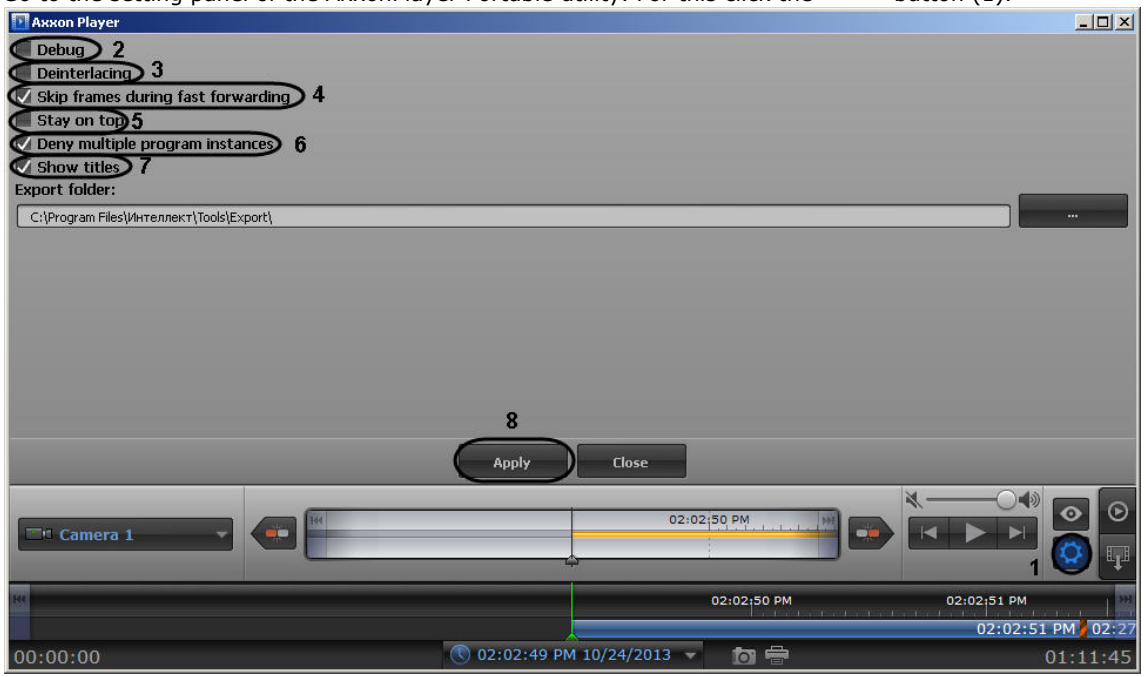
To start the Axxon_Player.exe utility in a single mode prohibiting simultaneous opening several windows of the utility, use the “single” parameter of the command prompt with “1” value. To start using several windows of the utility use **0** value of this parameter. For instance, using the Axxon_player.exe --source "H:\VIDEO\05-05-12 18\15._01" --single "1" command the Axxon_Player.exe utility starts with prohibition of simultaneous opening of several utility windows. By default the “single” parameter has “1” value.

To enable the option of titles displaying above video image while playing use the “titles” parameter of the command prompt with value 1.To disable titles displaying while playing the video image use value 0 for this parameter. On default the titles parameter is 1.

Configuring the interface of the AxxonPlayer Portable utility

To configure the interface of the AxxonPlayer Portable utility do the following:

1. Go to the setting panel of the AxxonPlayer Portable utility. For this click the  button (1).



2. To display a semi-transparent debug window over each image set the **Debug** checkbox (2).
3. To enable deinterlacing set the **Deiterlacing** checkbox (3). To disable deinterlacing remove this checkbox. Deinterlacing allows avoiding artifacts in the video image.

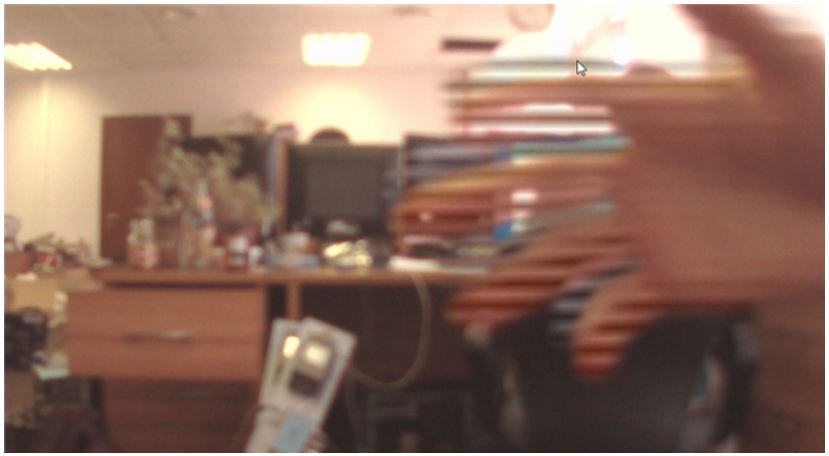


Image with artifacts



Image with no artifacts

4. To enable the option of frames skipping when there is fast playback set the **Skip frames durin fast forwarding** checkbox (4). This functionality is used to reduce the Server load.
5. To display the utility window over other windows set the **Stay on top** checkbox (5).
6. To disable the simultaneous opening of several utility windows set the **Deny multiple program instances** checkbox (6).
7. Set the **Show titles** checkbox to display titles above video image while playing the video record (7). Options of titles displaying such as font, color and place are specified by Settings.xml file which is located in the folder with video archive (in the VIDEO folder). This file is formed by the **Captioner** obje ct (see the Configuring captions display on a video image section of the Administrator's Guide).

> **Attention!**
> To use the Settings.xml file the search of archive files is to be performed by disk or by folder where the Settings.xml file is located (see the Opening video files by specifying the path in the AxxonPlayer Portable utility section).

8. Click the **Apply** button (8).

Deinterlacing configuration is now completed.

Viewing video using the AxxonPlayer Portable utility

Playback control panel of the AxxonPlayer Portable utility

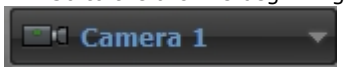
Archive playback control using the AxxonPlayer Portable utility is performed in the utility window on the playback control panel.



Click the  button to go to the playback control panel.

Elements description of the playback control panel is given below:

1.  Start the archive playback on cameras on which there are records on specified date. Synchronic archive playback is available.

2.  Playback stop.
3.  Playback speed up in two times relatively the current speed if the playback launched (maximum ×16 speed up is available).
   Go to the next frame if the playback stopped.
4.  Playback speed down in two times relatively the current speed if the playback launched (maximum ×16 speed down is available).
   Go to the previous frame if the playback stopped.
5.  Go to the current record beginnig.
6.  Go to the current record ending.
7.  Go to the archive ending in the main time scale. Go to the archive ending of selected camera on additional time scale.
8.  Go to the archive beginning in the main time scale. Go to the archive beginning of selected camera on additional time scale.
9. 

Select active camera for archive playback in full-screen mode if several cameras selected for archive playback.
10.  Saving the frame. Frame is saved in Tools\Screenshots folder of INTELLECT™ software installation directory.
11.  Printing the frame.
12. 

Specifying time and date for archive record to be played.
13.  Volume adjustment

Time and archive marks in the both scales are to be taken into consideration while controlling playback. Their description is given below.

This mark  means that there is no compressed archive. The more interval without archive, the thicker the mark is.

Mark	Description
Time mark 1 (1)	Time period from archive begin to the current moment.
Time mark 2 (2)	Time period from the current period to archive ending.
Time mark 3 (3)	Time of recording start.
Time mark 4 (4)	Time of recording finish.



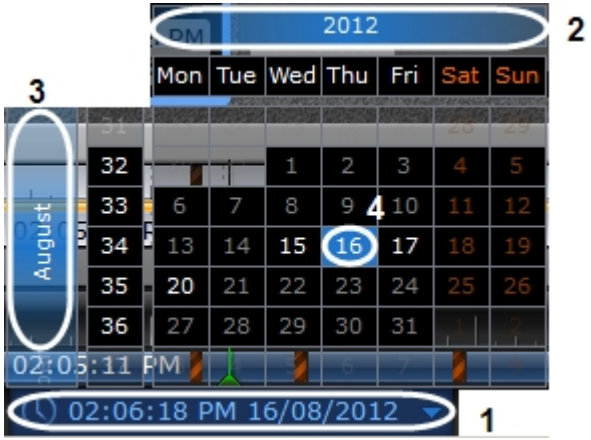
Archive navigation in the AxxonPlayer Portable utility using the calendar

Archive navigation can be performed using the Calendar tool. This tool is designed to specify the date the archive on which is to be played back.



To specify date of archive viewing do the following:

1. Click the  or  button to access the Calendar tool (1).



2. Specify the year by dragging the calendar field left or right (2).
3. Specify the month by dragging the calendar field up or down (3).
4. Select the needed day by left-clicking the mouse (4). Days for which records are stored in archive are highlighted with white.

Going to the first archive record at the specified date is performed when the required date is selected in the calendar.

Date specifying for archive viewing is completed.

Archive navigation in the AxxonPlayer Portable using the time scale

Archive navigation can be performed using the time scales.

Time scales contain color indicators of records presence per period – tracks.

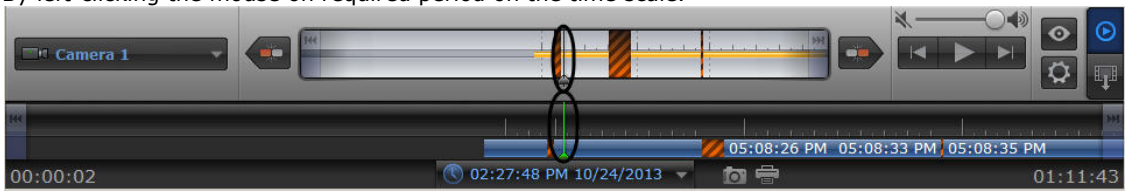
There are following time scale types in the AxxonPlayer Portable utility:

1. Main time scale (1). This scale displays tracks from all cameras selected to view.
2. Additional time scale (2). This scale displays tracks from the active camera.



Archive navigation is performed in two ways:

1. By dragging the scale relatively the indicator. When the indicator is matched to the point on the time scale then there is going to the moment on the record corresponding to this point.
2. By left-clicking the mouse on required period on the time scale.



Going in the main and additional scale is sincronized.

It is possible to size time scales. Zoom in and zoom out of time scales are performed using the scroll wheel in required area of the time scale.

Scaling the video image in the AxxonPlayer Portable utility

It is possible to scale viewing video images in the AxxonPlayer Portable utility.

Zoom in and zoom out of video image size are performed using the scroll wheel in the camera area.



Navigation over the blowup video is performed using the mouse cursor moving with holding the middle mouse button (wheel) pressed.

Saving the frame from the command prompt in the AxxonPlayer Portable

It is possible to export frame from archive using the command prompt. The following parameters of axon_player.exe executive file are used:

— help – reference on parameters of executive file;

— source arg – specifying the video file/catalogue;

— channels arg – specifying the video camera id for frame export;

— destination arg – specifying the catalogue for frame export;

— time – specifying the time of export frame in YYYY-MM-DD HH:MM:SS.ZZZ format.

Example.

« --source "D:\VIDEO" --destination "D:\CmdExportFolder" --channels "1 3 5" --time "2011-11-02 15:40:11.123"»

or

«--source "D:\VIDEO" --destination "D:\CmdExportFolder\UserFrame.jpg" --channels "1" --time "2011-11-02 15:40:11.123"»

File names like "dd-MM-yyyy hh-mm-ss-zzz channelID.jpg" are assigned automatically in the first case. In the second case file names are specified by the user and it is possible to save the frame in jpg, bmp or png formats.

If the **channels** parameter is not specified, then all existing channels are to be saved both for the video and images.

Exporting the Intellect video archive using the AxxonPlayer Portable utility

Order of video archive export in the AxxonPlayer Portable utility

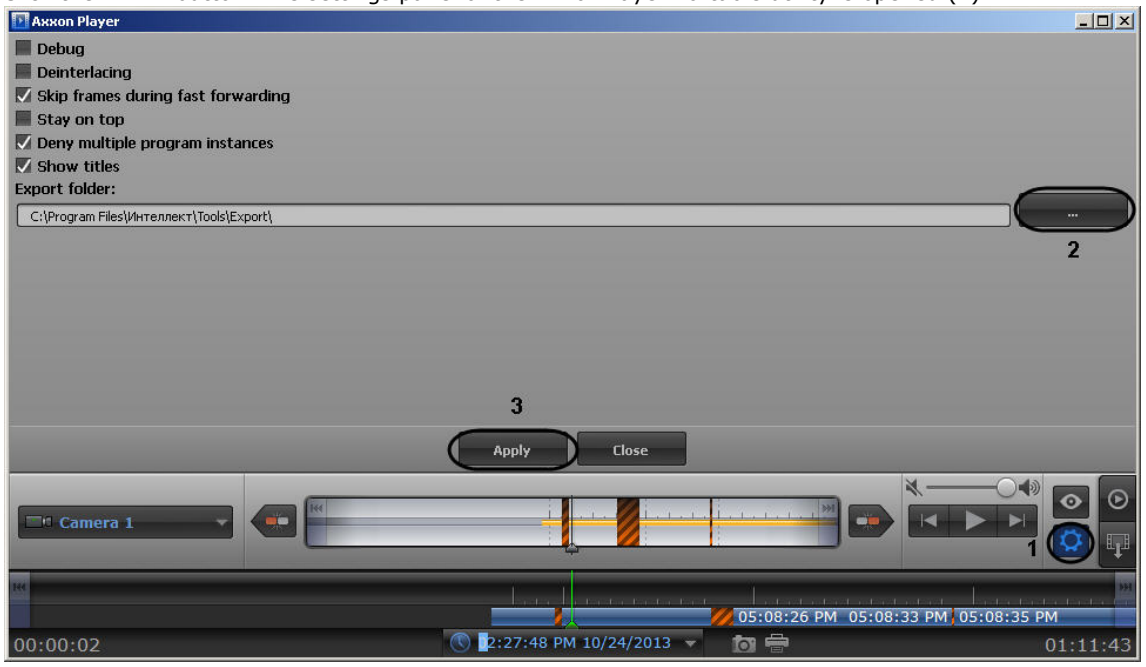
Exporting the INTELLECT™ software archive using the AxxonPlayer Portable is performed in the following order:

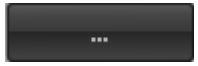
1. Specify the path to the folder to which archive files are to be exported.
2. Go to the export panel.
3. Create the export task.
4. Start the archive export.

Specifying the export folder in the AxxonPlayer Portable utility

To specify the export folder do the following:

1. Click the  button. The settings panel of the AxxonPlayer Portable utility is opened (1).



2. Click the  button and select the export folder using the standard dialog of path selection to the Windows OS folder (2).

3. Click the **Apply** button (3).

Specifying the export folder is completed.

Going to the export panel in the AxxonPlayer Portable utility

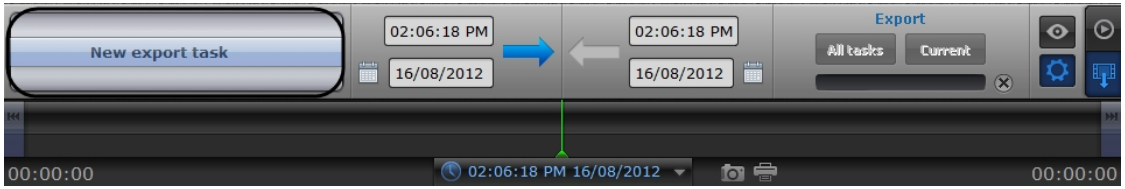
To go to the export panel click the  button.



Creating the export task in the AxxonPlayer Portable utility

To create the export task do the following:

1. Select the **New export task** value in the list. The value selection is performed by dragging the list items up or down until the aligning with the list center.



2. Select the image from the required camera and drag it to the list using the left mouse button.



Cameras are to be added to the export list (1).

Note.

To remove the cameras from the list click the  button.



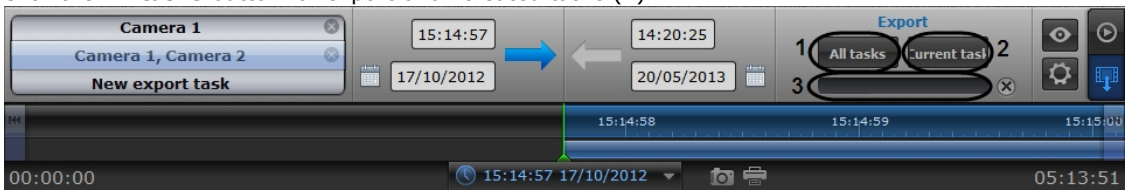
3. Specify the start export date by one of the following ways:
   a. Enter the required value in the field manually (2).
   b. Click the  button and use the Calendar tool (3). Calendar operation procedure is equal to the archive navigation procedure (see Archive navigation using the calendar chapter).
   c. Click the  button (4) and specify the start value of export by dragging the time scale relatively the indicator (8).
4. Specify the end export date by one of the following ways:
   a. Enter the required value in the field manually (5).
   b. Click the  button and use the Calendar tool (6). Calendar operation procedure is equal to the archive navigation procedure (see Archive navigation using the calendar chapter).
   c. Click the  button (7) and specify the end value of export by dragging the time scale relatively the indicator (8).

Export task creation is completed.

Run the archive export in the AxxonPlayer Portable utility

To run the export do the following:

1. Click the **All tasks** button for export of all created tasks (1)



2. Click the **Current** button to run the export of task selected in the task list (2).

The export state is displayed by the indicator of process display (3). Archive files will be copied to the export catalogue in the «drive_<Disk letter with the «Intellect» software archive>» after the export completion, e.g. «drive_D».

> **Note.**
>
> Click the  button to stop the export. None of files will be exported.

Export of video archive is completed.

Set the export parameters from the command prompt for the AxxonPlayer Portable

utility

It is possible to set the export parameters from the Windows command prompt. The following parameters of the axon_player.exe executive file are used:

— help – reference output by parameters of executive file;

— source arg – specify the video file/catalogue;

— channels arg – specify the video camera id for export through the space button ;

— destination arg – specify the export catalogue;

— from arg – specify the start export time in YYYY-MM-DD HH:MM:SS.ZZZ format;

— to arg – specify the end export time in YYYY-MM-DD HH:MM:SS.ZZZ format.

Example of line for export: «--source "D:\VIDEO" --channels "1 3 5" --destination "D:\CmdExportFolder" --from "2011-11-02 15:40:05.123" --to "2011-11-02 15:40:17.123"»