INFORMATION

SM Series Videographic Recorders – Downloading Data

1 Introduction

This publication summarizes the various methods for downloading data from a SM Series Videographic Recorder and uploading it to ABB's DataManager data analysis add-in for Microsoft® Excel.

Note.

- This publication assumes that DataManager is installed on a PC being used to analyze the data. Click the following link (if viewing this document as a PDF) or copy and paste it into a browser address bar to download a copy of DataManager: http://search.abb.com/library/Download.aspx?DocumentID=DataManager&LanguageCode=en&DocumentPartId=&Action=Launch

- The screenshots used in the publication are from the SM2000 but all other recorders are similar.

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3 Memory Card Method

To download data using a memory card:

1. Press the ▤ key.

2. Select 'Setup' (SM1000/2000/3000) or 'Logging' (SM500F) from the Operator menu:


3. Press the ⏎ key.

4. Select 'Off-Line' from the Setup/Logging menu:

5. Ensure the memory card icon in the status bar changes from green ▦ to grey ▦.

6. Remove the memory card from the recorder and insert it in a suitable card reader connected to a PC.

7. Launch Microsoft Excel.

8. Click the DataManager toolbar ▦ icon.

9. Select the drive holding the memory card containing the files to be imported from the drop-down list:
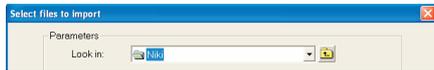
10. Click ⟨ Add all => ⟩ and then ⟨ Import ⟩.
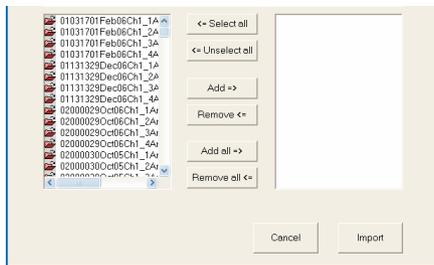
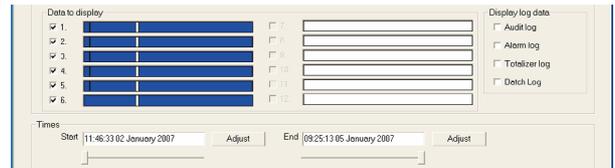When import is complete, the confirmation message is displayed:

11. Click ⟨ OK ⟩ to close the 'Select files to import' dialog.

12. Click the DataManager toolbar ▦ icon.

13. Select the recorder that produced the data to be analyzed.

14. Select the process group.

15. Using the sliders, adjust the time period to analyze.

16. Click either ⟨ Create Chart ⟩ or ⟨ Create Spreadsheet ⟩ to display the data for analysis in either chart or spreadsheet format.

4 Ethernet Method

To download data over an Ethernet connection:

1. Launch Internet Explorer.

2. In the 'Address' bar, type 'ftp://' followed by the IP address of the recorder from where the files are to be downloaded. The following dialog is displayed:


3. Type the 'User Name:' and 'Password:' for the recorder and click on 'Login'. The contents of the recorder (see following example) is displayed:
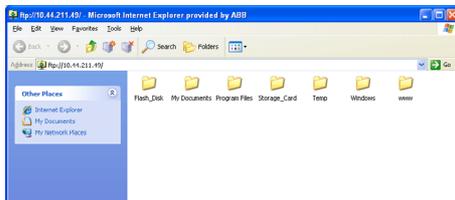

4. Open the 'Storage_Card' folder (SM1000, SM2000 and SM3000) or the 'SDMMC' folder (SM500F) containing the file to be displayed.

5. Open the named folder – SM1000, SM2000, SM3000 or VRD (SM500F).

6. Select the file or files to be copied. Use the 'Shift' and 'Ctrl' keys to select more than one file.

7. Click the right mouse button to display the following menu:
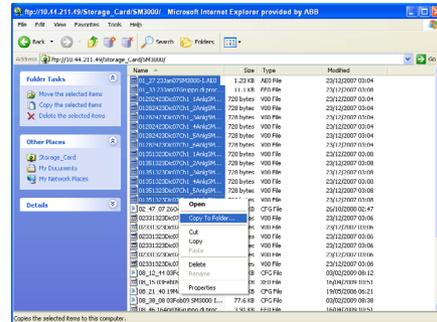
8. Select the 'Copy To Folder' option. The 'Browse for Folder' window is displayed:
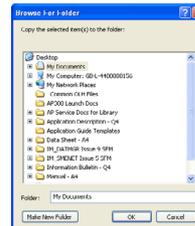
9. Select the drive and folder to which the file is to be copied.

10. Click on OK. The file is copied into the selected folder.

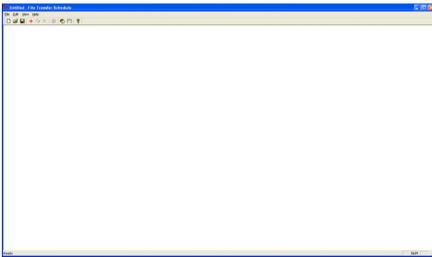11. Import the files into DataManager and open them for analysis – see Section 3 steps 7 to 16.

5 File Transfer Scheduler (FTS) Method

To download data using ABB's FTS software:

1. Install the FTS software.

   > **Note.** Click the following link (if viewing this document as a PDF) or copy and paste it into a browser address bar to download a copy of the FTS software: http://search.abb.com/library/Download.aspx?DocumentID=FTS.exe&LanguageCode=en&DocumentPartId=&Action=Launch

2. Click the ![icon] icon to launch FTS. The FTS schedule window is displayed:

3. Click ![+] to create a new schedule. The 'Schedule' dialog is displayed:

4. Type a schedule name to identify the recorder it refers to:

5. Type the recorder's IP address and select the recorder type from the drop-down list:

6. Type the recorder's FTP username and password:

7. Select a destination where the data will be stored:

8. Select the day(s) and time(s) to transfer the data:

9. Select the files to be transferred:

10. Click ![OK] to save the schedule:
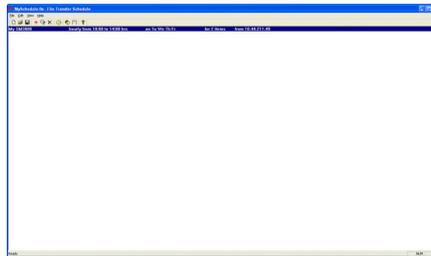
11. Import the files into DataManager and open them for analysis – see Section 3 steps 7 to 16.

Notes

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