Edit-in-Place on a T2 Elite-A

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Introduction

Since SP 2.0, NLE software can edit HQ or XDCAM clips directly on the T2 Elite-A model — also referred to as “edit-in-place.” This significantly speeds up the workflow because there is no need to transfer or convert media assets. This Application Note explains how edit-in-place works, using popular Macintosh and Windows NLE software.

NLE Software Tested with Edit-in-Place

Because edit-in-place on the T2 Elite-A uses the CIFS protocol, it is a feature that can be taken advantage of by most leading NLE editing software applications, whether on a Macintosh or a PC:

<table>
<thead>
<tr>
<th>Function</th>
<th>Format</th>
<th>Editing</th>
<th>EDIUS</th>
<th>Premiere Pro CC</th>
<th>Final Cut Pro 7</th>
<th>Media Composer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Captured on T2</td>
<td>Grass Valley HQ</td>
<td>Normal Editing</td>
<td>Yes</td>
<td>Yes**1</td>
<td>Yes</td>
<td>Yes*2</td>
</tr>
<tr>
<td></td>
<td>XDCAM</td>
<td>Normal Editing</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Transcoded by T2</td>
<td>Grass Valley HQ</td>
<td>Normal Editing</td>
<td>Yes</td>
<td>Yes**1</td>
<td>Yes**1</td>
<td>Yes*2</td>
</tr>
<tr>
<td></td>
<td>XDCAM</td>
<td>Normal Editing</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Notes:

Tested software: Grass Valley EDIUS Pro 7 (Win), Adobe Premiere Pro CC (Win/Mac), Apple Final Cut Pro 7 (Mac), Avid Media Composer 7 (Win).

Copying and exporting clips to internal storage of T2 from PC is not supported.

T2 Timeshift Functionality by Service Pack

<table>
<thead>
<tr>
<th>T2 Function</th>
<th>Supported NLE</th>
<th>Capture Format</th>
<th>Location</th>
<th>SP2.0</th>
<th>SP1.3A</th>
<th>SP1.2</th>
<th>SP1.1</th>
<th>SP1.0</th>
<th>SP0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct access*1 (edit in place)</td>
<td>EDIUS</td>
<td>HQ XDCAM</td>
<td>Internal</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2 FTP server*2</td>
<td>EDIUS</td>
<td>XDCAM</td>
<td>Internal</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FTP export to K2 SAN*3</td>
<td>EDIUS</td>
<td>XDCAM*6</td>
<td>Internal</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External capture*4</td>
<td>EDIUS</td>
<td>HQ XDCAM</td>
<td>External</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Exporting clips*5</td>
<td>EDIUS</td>
<td>HQ XDCAM</td>
<td>Internal</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*1 T2 Elite only.

*2 EDIUS (Source Browser) imports XDCAM clips into T2 via FTP.

*3 T2 exports XDCAM clips to K2 SAN. EDIUS (Source Browser) import of XDCAM clips from K2 SAN.

*4 EDIUS (Bin window) imports clips from external storage connected to the T2.

*5 T2 exports captured clips to external storage and EDIUS (Bin window) imports them.

*6 Clips are imported to EDIUS in CMF format.
Overview of Edit in Place Workflow on PC (tested using Windows 7)

T2 Elite-A Settings

1. Select [Config.] > [General] > [Network 1 (or 2)] and configure the IP address and DNS server address.

2. Select [Share Folder], check the [Share a T2 media storage as share folder] in the Direct access folder area. Select [OK].

If you need to confirm the User Accounts, select [Config.] > [General] > [Share Folder] and click [Settings...] in the User Account area. The default user account is described in the T2 User Manual.
Windows PC network settings (if required)

1. Open [Control Panel] and enter “adapter” into the search box. Underneath [Network and Sharing Center] select [View Network Connections]. Right-click the network connection you are using and select [Properties].

2. Select [Internet Protocol Version 4 (TCP/IPv4)] and click [Properties]. The Properties window appears. Set the IP address and the DNS server address.
Windows PC access to T2

1. Open Windows Explorer enter the IP address of the T2 (e.g., 192.168.50.1) in the address bar.

2. The User Account window appears. Enter user name and password for the T2.
3. The [Share] folder on the internal storage of the T2 is shown.

4. Double-click the [Share] folder and you will see all the folders of the T2 bin. You will be able to select Grass Valley HQ AVI or XDCAM MXF files from your NLE software of choice.

   *Note: If you are capturing video clips on the T2, the captured clips will appear after approximately 10 seconds.*
Overview of Edit-in-Place Workflow on a Macintosh (tested using Mac OS X Mavericks)

T2 Elite-A Settings: Same as for Edit in Place Workflow on a PC

Mac network settings (if required)
1. Open [System Preferences] and select [Network]. Click the network connection that you wish to set up and set IP address and DNS server address.

Mac access to T2
1. Select the [Go] menu > [Connect to Server...] in the Finder menu bar.
2. The Connect to Server window appears. Enter “smb://(IP address of the T2)” in the address bar. Click [Connect].

3. The User Account window appears. Enter user name and password of the T2.
4. The [Share] folder on the internal storage of the T2 is shown.

5. You will be able to select Grass Valley HQ AVI or XDCAM MXF files from your NLE software of choice.

Note: If you are capturing video clips on the T2, the captured clips will appear after approximately 10 seconds.