

CMX600¹

Date Introduced: 1971

Summary: CMX was formed as a joint effort CBS and Memorex to make a video editing system that could did not require constant access to the original footage. They developed a system stored the video on computer disks. This allowed editors instant access to all footage at one time and be to make edits that could see as soon as they made them.

CMX 600 was the result of this effort. The system would digitize footage using a device called the Skip Field Recorder. The footage would be stored on 4 to 6 disk drives. An editor could then playback selected clips, choose in/out time points for them and then put them into a sequence. When a project was finished, the CMX 600 would develop an Edit Decision List (EDL), which was a list of all the shots, their length and the order in which they were playback in the final project. This EDL would then be used by another machine to assemble the final product.

Platform: DEC PDP -11

Associated Items:

- Light pen controller: An operator would point the pen at the monitor of the system to select their desired commands
- Skip Field Recorder: It would recorded only one of the two fields for each frame of video and would compensate this in playback by playing each field twice
- Memorex Digital Disk Drives: Described as being the size of washing machine, each disk drive had the capacity of 5.4 minutes of NSTC or 4.5 minutes of PAL B/W video.
- CMX-400: It took the EDL from the CMX-600 and assemble the final product directly from original source material
- ASR-33 Teletype: The control system for the recording process and the input/output device for the EDL

¹ Bargen, David & Steve Foreman. "CMX 600." 30 Jan 2007. Museum of Early Video Editing Equipment and Techniques. 3 Nov 2007 <<http://www.sssm.com/editing/museum/offline/cm600.html>>

Adobe Premiere/Premier Pro (originally known as ReelTime)²

Platform: Multiply (see chart)

Summary: Original designed to take advantage of Apple Computer's QuickTime system,³ Adobe Premiere has evolved into a multiply platform edit software. In 2003 with release of version 7.0, the name changed to Adobe Premiere Pro to reflect new professional features like color correction, 5.1 surround sound editing, HD support, and its exclusive operation on Windows.⁴ Premiere Pro eventually returned to the Mac operating system with the release of version CS3 (3.0).

Premiere has a similar layout to that of Avid with a bin window to show video files available, a window for previewing and adjusting desired files, a canvas window to show the final product, and timeline window to show the sequence and timing of final project. One of the primary features of Premiere how it was designed to integrate with another Adobe programs like Illustrator and Photoshop.

Associated Items:

- After Effects: A digital motion graphics and compositing software published by Adobe
- Premiere Elements: A scaled down version of Premiere Pro released in 2004 for consumer/prosumer market to compete with other low ender NLE software, like Sony Vegas and Apple's iMovie.

Releases⁵:

Adobe Premiere 1.0	December 1991 (Mac) / September 1993 (Windows)
Adobe Premiere 1.1	February 1994 (Windows)
Adobe Premiere 2.0	September 1992 (Mac)
Adobe Premiere 3.0	August 1993 (Mac)
Adobe Premiere 4.0	July 1994 (Mac), December 1994 (Windows)
Adobe Premiere 4.2	October 1995 (Mac), April 1996 (Windows), July 1997 (Unix)
Adobe Premiere 5.0	May 1998 (Mac & Windows)
Adobe Premiere 5.1	October 1998 (Mac & Windows)
Adobe Premiere 6.0	January 2001 (Mac & Windows)
Adobe Premiere 6.5	August 2002 (Mac & Windows)
Adobe Premiere Pro 1.0	August 2003 (Windows Only)
Adobe Premiere Pro 2.0	March 2005 (Windows Only)
Adobe Premiere Pro 3.0	July 2007 (Mac & Windows)

²"Adobe Premiere Brings Digital Video Capabilities to the Desktop." Business Wire.13 Dec 1991.

³ Ibid.

⁴ "Adobe Sets New Standard in Video Editing with Premiere Pro, New Version of Adobe Video Software Adds Powerful Pro Editing Tools and Optimized Performance for Pentium-Based Systems Running Windows XP." M2 Presswire. 9 July 2003.

⁵ "Adobe Premiere Pro." Wikipedia, The Free Encyclopedia. 27 Oct 2007, 23:13 UTC. Wikimedia Foundation, Inc. 4 Nov 2007

<http://en.wikipedia.org/w/index.php?title=Adobe_Premiere_Pro&oldid=167520388>.

Final Cut Pro

Platform: Mac

Summary: Apple's turn key solution to video editing. The program began in 1996 as Macromedia's Keygrip as part of the Media 100 software.⁶ In May 1998, Apple buys the program from Macromedia and releases in following April as Final Cut Pro.⁷ The systems has an adapted timeline interface, similar to Avid's but simplified. The popular of Final Cut increase with each new release. As of 2005, Final Cut Pro is only release in bundle called Final Cut Studio.

Associated Items:

- Motion – Motion graphics creating program
- Soundtrack Pro – Sound editing program
- DVD Studio Pro – DVD authoring program original develop as DVDirector by Astarte
- Color – Color timing program original develop as FinalTouch by Silicon Color⁸
- LiveType – Text animating program
- Cinema Tools – Database programs design to associate video frames back to film source
- Qmaster – Work distribution program, designed to separate render tasking among many stations
- Compress – A video transcoding tool for outputting projects in different formats
- QuickTime Pro – Video codec processing program used by Final Cut
- Shake – Video composing program sold separately from the Final Cut Studio Bundle

Release Dates⁹:

Final Cut Pro 1.0	April 1999
Final Cut Pro 2.0	March 2001
Final Cut Pro 3.0	December 2001
Final Cut Pro 4.0	April 2003
Final Cut Pro HD (4.5)	April 2004
Final Cut Pro 5.0	April 2005
Final Cut Pro 6.0	April 2007

⁶ "PRODUCT SIDEWIRE MACROMEDIA's Forthcoming Digital Video Software Codenamed ' KeyGrip' is to be." Telecomworldwire September 9 1996.

⁷ Fox, David. "Apple shows Core Values." TVBEurope February 1999: 1; ISSN: 1461-4197.

⁸ Cohen, Peter: Apple acquires Silicon Color, MacWorld, 16 October 2006.

⁹ "Final Cut Studio." Wikipedia, The Free Encyclopedia. 29 Oct 2007, 13:37 UTC. Wikimedia Foundation, Inc. 4 Nov 2007 <http://en.wikipedia.org/w/index.php?title=Final_Cut_Studio&oldid=167835897>

iMovie

Platform: Mac

Summary: iMovie is a consumer level editing software developed by Apple that is bundle with iLife. The program allows you edit files into clips and then place those clips in a sequence. The sequencing layout of iMovie has more like storyboard look with frames of each clip laid out it a row, different than the traditional timeline layout of the higher-end programs. The program allows a few effects like fading and simple matting.

Associated Items:

- iPhone
- iWeb
- iTunes
- iDVD
- Garageband

Release Dates¹⁰:

iMovie	October 1999
iMovie 2	July 19, 2000
iMovie 3	January 7, 2003
iMovie 4	January 6, 2004
iMovie HD 5	January 6, 2005
iMovie HD 6	January 10, 2006
iMovie HD '08	August 7, 2007

¹⁰ "iMovie." Wikipedia, The Free Encyclopedia. 28 Oct 2007, 07:48 UTC. Wikimedia Foundation, Inc. 5 Nov 2007 <<http://en.wikipedia.org/w/index.php?title=iMovie&oldid=167589606>>

Media Composer/ Adrenaline HD

Platform: Multiply

Summary:

Associated Items:

- Avid Express: entry level editing solution
- Avid Symphony/Nitris: Higher-end version of Media Composer that handles with the addition of secondary color correction, uncompressed HD, higher real-time performance, and other advanced features.¹¹

Release Dates¹²:

Avid/1	Macintosh	1989
Media Composer 5.5	Mac OS 7.5	1995
Media Composer 7.2	Mac OS 7.6 to 8.6	1999
Media Composer 8	Mac OS 8.5.1	1999
Media Composer 9	Windows NT	1999
Media Composer 10	WinNT/Mac OS9	2000
Media Composer 10.5	Win2K/Mac OS9	2001
Media Composer 11	Win2K/Mac OS9	2002
Media Composer 11.7	Mac OS X	Feb-03
Media Composer 12	Win2K/Mac OS X	Nov-03
Adrenaline HD 1	WinXP/Mac OS X	May-03
Adrenaline HD 1.5	WinXP/Mac OS X	Sep-04
Adrenaline HD 2	WinXP	Dec-04
Adrenaline HD 2.1	WinXP	Mar-05
Adrenaline HD 2.2	WinXP	Dec-05
Adrenaline HD 2.5	WinXP/Mac OS X	Jun-06
Adrenaline HD 2.6	WinXP/Mac OS X	Sep-06
Adrenaline HD 2.7	WinXP/Mac OS X	May-07

¹¹ "HD Editing With Avid Symphony Nitris." . 4 Nov 2007. Avid. 4 Nov 2007
<<http://www.avid.com/products/symphonyNitris/index.asp>>

¹² "Media Composer." Wikipedia, The Free Encyclopedia. 1 Nov 2007, 03:06 UTC. Wikimedia Foundation, Inc. 5 Nov 2007
<http://en.wikipedia.org/w/index.php?title=Media_Composer&oldid=168439998>.

FORscene

Platform: Java

Summary: Designed by Forbidden Technologies, FORscenes system allows editors and producers to access, view and edit footage by logging on to the Internet. The system is a web application with a Java applet as part of its user interface. It runs on multiple platforms without application installation, codec installation, or machine configuration.¹³

Associated Items:

- Edit 1, Edit 2, Optima: Precursors to FORscene made by Edios Pic for the Acorn Archimedes System¹⁴

Release Dates:

FORscene - September 13, 2004¹⁵

¹³ "Forbidden Technologies Ships FORscene." Worldwide Computer Products News September 8 2004.

¹⁴ "Forbidden Plans Web-Based Editor." Televisual August 2 2004: 39.

¹⁵ "Video Tool." Birmingham Evening Mail September 13 2004: 36.

Media 100

Platforms: Mac

Summary: Media 100 is a manufacturer of non-linear editing systems designed for professional cutting and editing. The editing systems are currently all based on OEM AJA Kona boards, with the exception of the Software-only Producer and Producer Suite, and run exclusively on Macs. In the past, the editing systems were nearly exclusively based on custom hardware boards to be placed into Apple Macintosh computers, but Microsoft Windows-based systems were available as well. Media 100 was initially established as a division of Marlboro, MA-based Data Translation, Inc. then spun off as an independent company in 1996.¹⁶ After absorbing or merging with several companies (Terran Interactive, Digital Origin, and Wired, Inc.) it eventually entered bankruptcy proceedings, with its assets and employees acquired by Optibase in March 2004.¹⁷ It is presently owned by Artel Software, the maker of Boris FX, which acquired the company from Optibase in October 2005.^{18 19}

¹⁶ Media 100 (July 31, 1996). Multimedia Group announces split from parent company, Data Translation. Press release. Retrieved on 1996-07-31.

¹⁷ Optibase (March 22, 2004). Optibase Ltd. Executes Agreement to Acquire Media 100 Inc. Assets. Press release. Retrieved on 2006-05-05.

¹⁸ Artel Software / Boris FX (October 3, 2005). Boris FX to Assume Media 100 Technical Support Obligations. Press release. Retrieved on 2006-05-05.

¹⁹ "Media 100." Wikipedia, The Free Encyclopedia. 28 Aug 2007, 14:51 UTC.

Wikimedia Foundation, Inc. 5 Nov 2007

<http://en.wikipedia.org/w/index.php?title=Media_100&oldid=154180299>.