

DrasticPreview

Version 4



Table of Contents

About DrasticPreview	3
Controls and Displays	4
Main Interface Overview.....	4
<i>Playback Section</i>	5
<i>Transport Section</i>	5
<i>Transport Controls Context Menu</i>	6
<i>Data Display Section – Track Info</i>	7
<i>Data Display Section – Time Code</i>	8
<i>Data Display Section – Metadata</i>	8
<i>Data Display Section – Play List</i>	9
<i>Closed Captioning Menu</i>	9
How to Use DrasticPreview	10
Setup	11
Connect Hardware.....	11
Install the Software.....	11
<i>Setup - Licensing</i>	11
Operations	12
Run DrasticPreview.....	12
File Playback.....	12
<i>Load a File</i>	12
<i>Cue to a Location</i>	12
<i>Use the Transport Controls</i>	12
<i>Playback Modes</i>	13
<i>Playlist Operation</i>	13
Display Options.....	13
<i>Zoom In/Out</i>	13
<i>Pan/Center</i>	13
<i>Full Screen Mode</i>	14
<i>Display Closed Captioning</i>	14
<i>Lock/Unlock</i>	14
Finish.....	14
<i>Exit</i>	14
Keyboard Commands.....	14

This manual has been compiled to assist the user in their experience using **DrasticPreview** software. It is believed to be correct at the time of writing, and every effort has been made to provide accurate and useful information. Any errors that may have crept in are unintentional and will hopefully be purged in a future revision of this document. We welcome your feedback.

Drastic Technologies Ltd
523 The Queensway, Suite 102
Toronto, ON, M8Y 1J7
Canada
(416) 255 5636
(416) 255 8780

(c)opyright 2014, Drastic Technologies Ltd. All Rights Reserved.

About DrasticPreview

DrasticPreview is software designed to provide playback of the majority of digital media files encountered within production, collaboration and broadcast environments. In addition to its wide range of format support it also features intuitive point and click as well as keyboard command control over playback, cueing, play list, zoom and pan and full screen controls.

Specific features and codec support may be offered as options depending on the version of **DrasticPreview** the user has licensed.



DrasticPreview

Controls and Displays

The reference section provides a detailed look at each of the elements in the **DrasticPreview** interface.

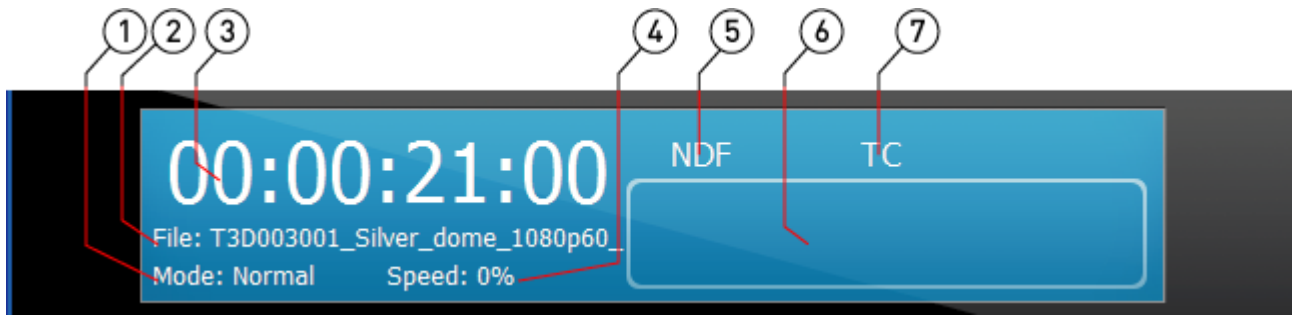
Main Interface Overview



Main interface

1	Playback section	Displays time code, file name, playback mode and speed, video standard, time code source and audio levels for up to 16 channels of audio.
2	Transport section	Provides controls for playback and cueing, media selection, playback mode selection, lock/unlock, full screen mode and closed captioning.
3	Monitor section	Displays the video within the selected clip.
4	Data Display section	Displays information about the media file, depending on which is selected, between: Track info, Time Code, Metadata and Play list.

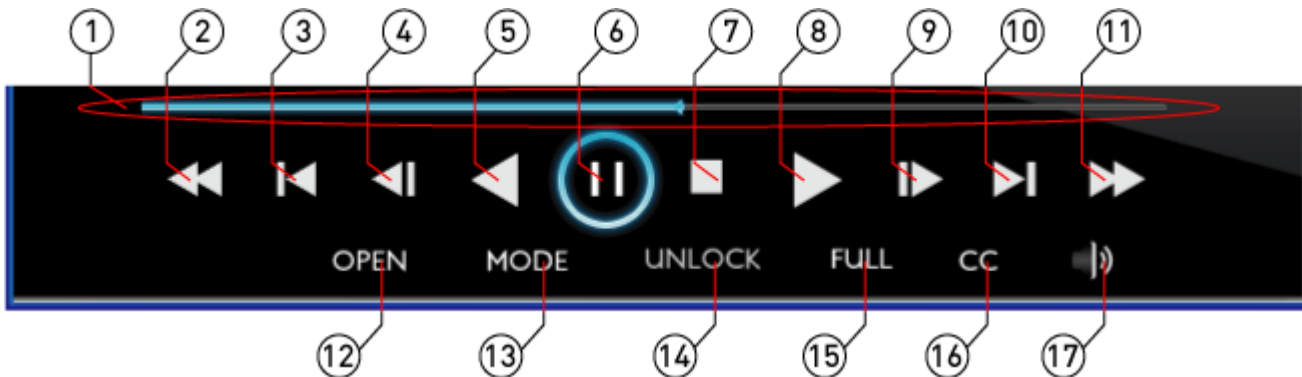
Playback Section



Playback section

1	Playback Mode	Displays the current playback mode. To select a playback mode, cycle through available modes using the Mode button.
2	File Name	Displays the name of the selected file.
3	Time Code	Displays the current time code location within the selected video file, and allows the user to: click in the time code field, type in a time code location and press Enter on the keyboard to cue that frame.
4	Playback Speed	Displays the current playback speed. Reverse playback is preceded by a minus.
5	Video Standard	Displays the video standard of the selected file.
6	Audio Levels	Displays relative audio levels for up to 16 channels of audio.
7	Time Code Source	Displays the time code source. Clicking on this field will cycle through available time code source settings.

Transport Section



Transport section

1	Position Bar	The pointer indicates the current position in the clip. Clicking on the Position Bar cues the clip to that relative location. To scrub through the file, 'grab' the pointer and 'drag' it toward the relative location you're looking for.
2	Fast Reverse button	Play the clip from the cued point in reverse at the fastest possible speed.
3	Back 5 Seconds button	Cues to a point 5 seconds prior to the current location, or the beginning if the current location is less than 5 seconds into the clip.
4	Back One Frame button	Cue the frame immediately prior to the current frame.
5	Reverse Play button	Play the clip in reverse at negative normal play speed (-100%).
6	Pause button	Stop any playback and cue the frame at the current location.
7	Stop button	Stop any playback in progress and cue the first frame of the clip.
8	Play button	Play the clip forward at normal play speed (+100%).
9	Forward One	Cue the frame immediately after the current frame.

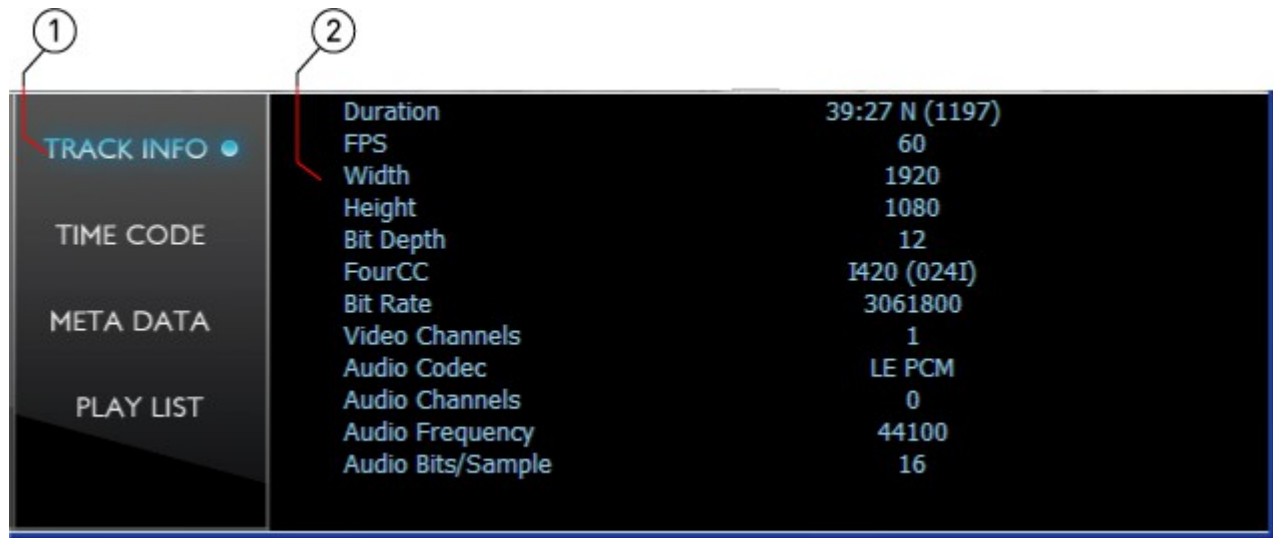
	Frame button	
10	Forward Five Seconds button	Cues to a point 5 seconds after the current location, or the end if the current location is less than 5 seconds before the end of the clip.
11	Fast Forward button	Play the clip from the cued point forward at the fastest possible speed.
12	Open button	Opens a standard browser to allow the user to select clips for playback. The user may also drag and drop clips onto the DrasticPreview interface to select them for playback.
13	Mode button	Clicking on the mode button toggles through available playback modes. Choices include Normal (play from cued point to the end of the file), Palindrome (play from the cued point to the end, then play the file start to end, then from the end to the start repeatedly until stopped), and Loop (play from the cued point to the end, then play from start to end repeatedly until stopped).
14	Unlock button	Functions as a toggle for the controls at the bottom of the interface. When locked (this control will display "Unlock"), the controls are always visible. When unlocked (this control will display "Lock"), the controls disappear whenever the mouse is not over the interface, allowing more room to display the video.
15	Full button	Pressing the Full button enters full screen mode, allowing the largest display of the interface on the screen. Pressing Esc on the keyboard exits full screen mode.
16	CC button	Allows the user to select between available types of closed captioning. If the selected file does not contain a supported form of closed captioning this control should be set to Disabled .
17	Audio Selector button	Opens a pop-up menu that allows the user to select which audio pair is being monitored during playback.

Transport Controls Context Menu



1	Context menu	Right click on the transport controls to reveal the transport controls context menu. This menu a) allows the user to choose between a default skin and the "machine" skin for the look of the DrasticPreview interface, and b) Allows the user to turn the Tool Tips display on and off.
---	---------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

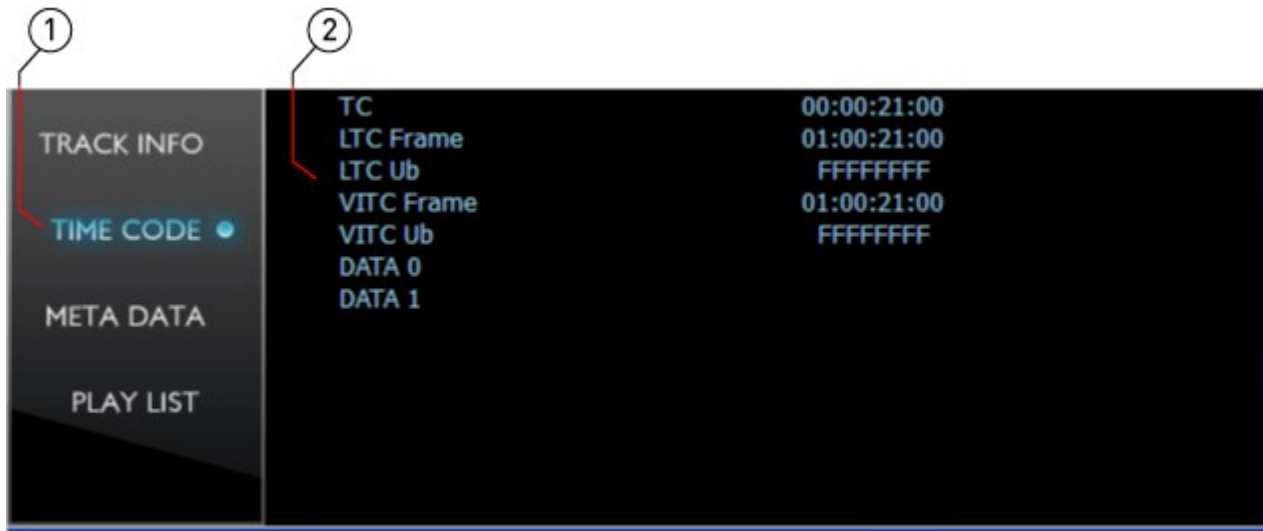
Data Display Section – Track Info



Track Info section

1	Track Info button	The Track Info button is highlighted
2	Track Info field	Displays information associated with the selected media file, including Duration, Frames Per Second, Width, Height, Bit Depth, FourCC, Bit Rate, Video Channels, Audio Codec, Audio Channels, Audio Frequency and Audio Bits/Sample.

Data Display Section – Time Code



Time Code section

1	Time Code button	The Time Code button is highlighted
2	Time Code field	Displays time code information associated with the selected media file, including TC (or other selected time code source), LTC Frame, LTC Ub, VITC Frame, VITC Ub, Data 0 and Data 1.

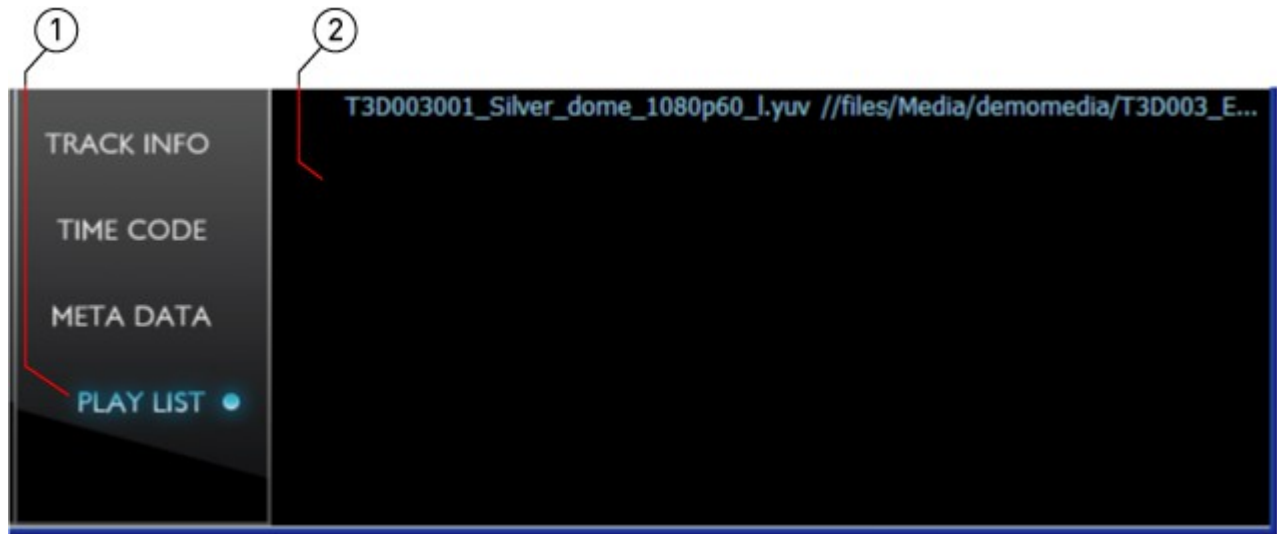
Data Display Section – Metadata



Metadata section

1	Metadata button	The Metadata button is highlighted
2	Metadata field	Displays the metadata associated with the selected media file.

Data Display Section – Play List



Play List section

1	Play List button	The Play List button is selected
2	Play List field	Each clip that has been loaded during the session appears on the Play List, and may be selected by double clicking on it.

Closed Captioning Menu



1	Closed Captioning menu	Press the CC button to reveal the Closed Captioning menu. Where a file has a supported form of closed captioning, the user can select it from the menu to display it on the screen. If the user does not want to display closed captioning or if the file does not have closed captioning, select Disabled .
---	-------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

How to Use DrasticPreview



DrasticPreview main interface

Setup

Connect Hardware

DrasticPreview software will run on most available computers, but to support real time playback of specific file types, often a powerful, fast system will be required. For this reason **DrasticPreview** is offered as a demo so the user can qualify their system for the types of files they need to play.

To install and take advantage of all the features of **DrasticPreview** the system will need to be connected to various other hardware devices.

The system will need to be supplied with a dependable source of power. The user would do well to consider installing a UPS (uninterruptable power supply) device to provide power to the system so that capture and playback are not affected by any surges or drops in the power level.

The system will need to be set up with a monitor, keyboard and mouse. The monitor is required to view the interface and the mouse and keyboard allow the user to input commands.

Install the Software

Install **DrasticPreview** on the system. Regardless of the delivery method, the software will be available at some level as an (executable) installable file. In many cases the user will double-click on the file, or right click and select **Open** from the context menu. Follow the prompts to set where the software should be installed and make other installation-specific decisions.

Setup - Licensing

DrasticPreview will need to be licensed to run without demo limitations.

DrasticPreview installs an application called LicenseDDR which is included in the program folder. This may be accessed (in Windows installs) via the Start menu, at: **Program Files|DrasticPreview|LicenseDDR**.

Run LicenseDDR.

Type your name (first and last name are required here) into the **User Name** field.

Type a valid email address into the **User Email** field. This is the email address at which the user will receive the required site key, so make sure it can be accessed by the operator of the system upon which the **Drastic** software is installed.

Press the **Generate** button. This will populate the **Site Code** field with the site code. The site code is a seemingly random string of alphanumeric characters which will be used to generate the site key.

If the system is set up with email, the user may press the **Send** button. This opens a new email addressed to **Drastic** with the site code in the body of the email. If the system is not set up with email, the user may copy (either select the site code and use a standard Copy command, or press the **Copy** button which is just to the right of the **Site Code** field) and paste (use a standard Paste command) the site code into a text file, and open the text file in a system that is set up with email. In this case, create a new email addressed to authorization@drastictech.com. it would be useful to type a quick explanation regarding which software is to be licensed, and the reason for the license request (such as demo, update license, add software etc.). Send the email.

We will reply with an email containing another seemingly random string of alphanumeric characters - this will be the site key.

Copy the site key from the email into the buffer, and paste it into the **Site Key** field, either using a standard paste command, or by pressing the **Paste** button (the button with the icon to the left of the **Remove** button).

Press the **Register** button, and restart the software. This will update the license status and enable all the features supported by the requested license level.

To view the folder in which the license is located, press the **Folder** button. This opens the folder containing the license, which may be useful in cases where the user may need to move or delete the license.

The license may be removed simply by pressing the **Remove** button.

Once the user is finished with the licensing process, they may press the **Close** button to close **LicenseDDR** window.

This will enable all features provided by your license.

Operations

DrasticPreview is a media player. The user will be able to open files and play them on their VGA monitor. A wide range of keyboard and GUI commands allow quick cueing and playback with features including zoom and pan, full screen with time code overlay, and extensive track data display.

DrasticPreview is ideally suited for editing, display, review and collaborative environments

Run DrasticPreview

Run the software. If the default installation path is used, you can open it at: **Start|Programs|Drastic|DrasticPreview**.

File Playback

Load a File

Press the **Open** button on **DrasticPreview**. A standard browser opens which allows the user to navigate to the location of the desired media file and load it for playback. Select a file and press the **Open** button in the browser.

Alternately, navigate to the folder where the desired media is located, and 'drag' the file onto the **DrasticPreview** interface.

Once loaded, the file will be cued to the first frame and ready to play.

Cue to a Location

Transport Controls: Jump through the file in 5 second increments using the **+5** button to get near the desired location. Press **Play** (or **Reverse Play**) if you're close, then **Pause** when you're real close. The **+1** (or **-1**) button can get you to the exact frame, just keep clicking.

Position Bar: Select a point on the Position bar at the top of the transport controls and click on it. The file will be immediately cued to that relative location. Click to 'drag' the pointer to the left or right to get to the desired location.

Use the Time Code Display: Click with the mouse in the time code display – now a cursor should appear in this display, which allows you to cue to an exact location. Enter a time code location after 00:00:00:00 and before the end of the file, and press the **Enter** button on the keyboard. The file will be immediately cued to that exact location.

Use the Transport Controls

With a file loaded, press the **Play** button to play the file from start to finish. The other transport controls are available for cueing (plus or minus 1 frame, plus or minus 5 seconds) and quick review (reverse play, fast reverse, pause, fast forward) functionality. **Stop** cues the first frame of the file.

Playback Modes

The **Mode** button on the Transport section lets you cycle through available playback modes.

Normal Mode

In **Normal Mode**, file playback stops at the end of the file or PlayList.

Loop Mode

In **Loop Mode**, the file plays to the end of the file or PlayList, then restarts playback at the beginning, playing repeatedly until interrupted.

Palindrome Mode

In **Palindrome Mode**, the file plays forward to the end of the file or PlayList, then restarts playback at the end and plays in reverse, front to back and back to front repeatedly until interrupted.

Audio Pair Monitor Selection

To select which audio pair will be monitored, press the **Audio Selector** button in the controls section. This opens a pop-up menu which displays the available audio channels in the file. These are paired, so the user may select between A1-2, A3-4, A5-6, and so on.

Playlist Operation

Each file loaded within the session is added to the playlist. Press the **Play List** button. The files are displayed as a simple EDL in the order in which they have been loaded. Clicking on a file loads it for playback.

To play the entire playlist, confirm you have pressed the **Play List** button. Double click on the first file in the playlist. Press the **Play** button on the **Transport Controls**. Each file will be played, front to back at normal speed. Once the last file has been played, it will pause on the last frame.

If the **Play List** button has not been pressed or one of the other buttons (**Track Info/Time Code/Metadata**) has been selected, the playlist function is turned off and clips will be played one at a time.

Display Options

Zoom In/Out

Use the scroll button on the mouse to zoom in and out. The size of the image will shrink or enlarge. This allows the user to see fine details in the video portion of the file.

To reset the picture to fit the application, **Right Click** on the mouse.

To set the picture to a 1:1 pixel size, press **Middle Click** on the mouse.

Pan/Center

Left Click on the mouse and drag the pointer to the left or right. The image will move around the screen correspondingly. This allows the user to focus on a particular area of the image, which is especially useful where the user has zoomed in and wants to see a specific portion of the video in fine detail.

To reset the picture to fit the application, **Right Click** on the mouse.
To set the picture to a 1:1 pixel size, press **Middle Click** on the mouse.

Full Screen Mode

Press the **Full** button to enter 'Full Screen' mode. In 'Full Screen' mode the portion of the interface within the GUI window expands to fill the monitor.

Alternately the user may press **Ctrl+F** on the keyboard to enter full screen mode.

The **Full** button becomes a **Restore** button when in 'Full Screen' mode. To return to normal, non-full screen mode, press the **Restore** button or **Ctrl+F** on the keyboard.

Note: in normal, non-full screen mode the user can simply optimize the window to retain the minimize/resize/close controls yet still see a large image.

Display Closed Captioning

Where an existing file has a supported form of closed captioning the user may opt to display it over the video output. Once the file is selected, press the **CC** button and select the specific closed captioning type. When the file plays you should see the closed captioning.

To turn off the closed captioning display, press the **CC** button and select **Disabled**.

Lock/Unlock

The user may press the **Unlock** button to enter 'Unlocked' mode. This mode causes the controls to disappear when the mouse is not above the interface, and thereby increases the amount of screen available for displaying the video.

The **Unlock** button becomes a **Lock** button in 'Unlocked' mode, and pressing the button will return **DrasticPreview** to the normal, 'Locked' mode with the controls and displays always shown.

Display Time Code Over Unlocked GUI

When in 'Unlocked' mode, and once the mouse is not above the interface, the controls and displays will disappear. Press the **T** button on the keyboard to display the time code over the video in this mode.

To remove the time code overlay from the 'Unlocked' mode, press the **T** button on the keyboard.

Finish

Exit

Once you are finished using **DrasticPreview**, click on the **X** in the upper right hand corner.

Keyboard Commands

Keyboard

Main	Norm	Shift	Ctrl - Caution	Alt - Rsvd	Ctrl Shift	Alt Shift	Ctrl Alt-Copy Norm	Ctrl Alt Shift	MediaNXS	DrasticPreview
a			Select A							
b	Reverse Play	2x Reverse Play	Bold		1/2 Reverse Play		Reverse Play	2x Reverse Play		
c	Play	2x Play	Copy		1/2 Play		Play	2x Play		
d			Bookmark		Fade start					
e	Preview In (in -> 3)	Eject	Edit				Preview In (in -> 3)			
f	Full Screen		Find		Fade cross					
g	Shtl- (10%)	ShtlFine- (1%)	Find Next		Fade end		Shtl- (10%)	ShtlFine- (1%)		Ctl-Goto
h	Shtl+ (10%)	ShtlFine+ (1%)	Find Replace				Shtl+ (10%)	ShtlFine+ (1%)		
i	A2 Toggle	A6 Toggle	Italic				A2 Toggle			
j	Reverse Play	Minus 1 Frame	Minus 1 field				Reverse Play	Minus 1 Frame		
k	Pause	Play/Pause toggle					Pause	Play/Pause toggle		
l	Play	Plus 1 Frame	Plus 1 field				Play	Plus 1 Frame		
m	Mark IN		Make Clip		Delete IN		Mark IN			Ctl-Metadata
n	Cue to IN	Cue to OUT	New Doc				Cue to IN	Cue to OUT		
o	A3 Toggle	A7 Toggle	Open Doc				A3 Toggle			Ctl-Open
p	A4 Toggle	A8 Toggle	Print Doc				A4 Toggle			Ctl-Playlist
q	DoNotUse	Record	Quit				DoNotUse	Record		
r	Preview Out (-3->Out)				Ripple/Razor		Preview Out (-3 -> Out)			Ctl-RealTime
s			Save Doc							Ctl-TimeCode
t		Loop								
u	A1 Toggle	A5 Toggle	Underline				A1 Toggle			
v	Pause	Stop	Paste		Seek to record end		Pause	Stop		Auto edit
w	Preview	Auto edit	Close Doc		Rec 1 frame, goto next		Preview			
x	Fast Forward Play	Plus 5 Seconds	Cut				Fast Forward Play			
y	V1 Toggle	V2 Toggle	Redo				V1 Toggle			
z	Fast Reverse Play	Minus 5 Seconds	Undo		Redo		Fast Reverse Play			
1			Goto mark 1		make mark 1	10% - Speed	Seek 10%	-10% - Speed		
2			Goto mark 2		make mark 2	20% - Speed	Seek 20%	-20% - Speed		
3			Goto mark 3		make mark 3	30% - Speed	Seek 30%	-30% - Speed		
4			Goto mark 4		make mark 4	40% - Speed	Seek 40%	-40% - Speed		
5			Goto mark 5		make mark 5	50% - Speed	Seek 50%	-50% - Speed		
6			Goto mark 6		make mark 6	60% - Speed	Seek 60%	-60% - Speed		
7			Goto mark 7		make mark 7	70% - Speed	Seek 70%	-70% - Speed		
8			Goto mark 8		make mark 8	80% - Speed	Seek 80%	-80% - Speed		
9			Goto mark 9		make mark 9	90% - Speed	Seek 90%	-90% - Speed		
0			Goto mark 10		make mark 0	100% - Speed	Seek 100%	-100% - Speed		
-_	Win size -									
=+		Win size +								
[{ (OEM_4)	Minus one frame	Minus 5 Seconds	Minus 5 Frames		-1% position	-5% position	Minus one frame	-10% position		
] } (OEM_6)	Plus one frame	Plus 5 Seconds	Plus 5 Frames		+1% position	+5% position	Plus one frame	+10% position		
(OEM_5)	Loop	Palindrome					Loop			
; : (OEM_1)	Shtl- (10%)	ShtlFine- (1%)					Shtl- (10%)	ShtlFine- (1%)		
' " (OEM_7)	Shtl+ (10%)	ShtlFine+ (1%)					Shtl+ (10%)	ShtlFine+ (1%)		
, <	Mark OUT				Delete OUT		Mark OUT			
. >	Stop	Stop/Pause toggle					Stop	Stop/Pause toggle		
/ ? (OEM_2)	(mode preview)						(mode preview)			
` ~ (OEM_3)	RTZ	RTZ					RTZ			
<space>	Play/Pause toggle							Play/Pause toggle		
F1	Help				Replay Video		Select 1 Camera		Help	Help
F2			Queue Play 0		Replay Video + Follow		Select 2 Camera		Show Video	Audio Only
F3			Queue Play 1		Play List		Select 3 Camera		Show Vector	Video Only
F4					Live		Select 4 Camera		Show Wave	
F5							Select 5 Camera		Show Wave RGB	Normal (Refresh)
F6							Select 6 Camera		Show Histo	Loop
F7							Select 7 Camera		Show Meta	Palindrome
F8							Select 8 Camera		Show Clips	Ram
F9	Follow current						Follow current		Show Thumbs Panel	
F10										
F11										
F12										
Home	Cue Start	Cue IN					Cue Start			
End	Cue End	Cue Out					Cue End			
PgUp	Prev Clip				Volume Up		Volume Up			
PgDn	Next Clip				Volume Down		Volume Down			
Insert	Reverse Play									
Del	Remove	Delete								
right a							Shtl+	ShtlFine+	Timeline Next	
left a							Shtl-	ShtlFine-	Timeline Prev	
up a							Plus one frame			
down a							Minus one frame			
NumPad	Norm	Shift	Ctrl	Alt - Rsvd	Ctrl Shift	Alt Shift	Ctrl Alt	Ctrl Alt Shift		
1	Shtl-									
2	Plus one frame									
3	Shtl+									
4	Cue In									
5	Minus one frame									
6	Cue Out									
7	Cue Start									
8	Preview									
9	Cue End									
0	Play/ Pause									
Add	Frame +1	Play					Frame +1			
Subtract	Frame -1	Stop					Frame -1			
= Enter										
*	Mark OUT						Mark OUT			
/	Mark IN						Mark IN			
.	Pause/ Stop									

Color Indicators:

Standard

DrasticPreview

Future

DTReplay

MediaNXS

dTouch