

Here's a listing of new features with a little more explanation of what you're getting. Many people seem to think this is a live switching update with not much for editors and as you can see that's really incorrect. Features which require the new VT=Pro card are clearly marked. Not many things require it at this point. Please be sure to call us (800-692-6442) or e-mail us (kkuntz@digarts.com) if you have questions about any of the features and their uses. Jeff has already updated this file as he uses the system and I'm sure we haven't hit everything so use this as a solid list but not an all-enclusive list.



Live Features

- Real Time DV Out
- 500 DVEs
- VGA Capture
- DDR Preview
- Better Multi-Monitor Support
- Preview Out (VT-Pro)
- Alpha Out (VT-Pro)
- Built In Genlock (VT-Pro)
- 4 Channel Audio Input (VT-Pro)
- Audio Mixer Input Pass Thru Control
- EQ on all inputs
- Automated 'Talkover' in Mixer
- Floating Point Audio
- Unity Gain Audio
- Calibrated Audio Metering
- Channel Link function
- One Button Serverless Internet Streaming
- Chroma Key Spill Suppression
- Auto 16:9 Aspect
- Switcher Croutons
- 5V Tally Light Support (SX-84)
- Improved VT Vision
- Cleaner Panel Controls
- More Module Presets, now 6
- File Bin Quick Tabs & More
- Dropped Frame Counter Capture Panel
- Additional Video Input through VT Card,
Software Support Coming Soon (VT-Pro)

Post Features

- Real Time DV Out
- 500 DVEs
- VGA Capture
- Better Multi-Monitor Support
- 4 Channel Audio Input (VT-Pro)
- Audio Mixer Input Pass Thru Control
- Floating Point Audio
- Unity Gain Audio
- Calibrated Audio metering
- Audio Mixer on Capture Console
- Clipping Indicator on waveform display
- Program Peak Indicator on Audio Meter
- Punch In Audio Support
- One Button Serverless Internet Streaming
- Chroma Key Spill Suppression
- Auto 16:9 Aspect
- Switcher Croutons
- Improved VT Vision
- Cleaner Panel Controls
- More Module Presets, now 6
- File Bin Quick Tabs & More
- Better Highlighting of Selected Items
- Automated Video Stabilization
- Quicktime Export
- DVD Authoring & MPEG Encoding
- CG Post Integrated into VT Edit
- Image Super Sampling
- Per Layer Blur
- Real-Time Video Filters
- Chroma Key Spill Suppression
- EDL Export
- Smooth Shadows on Keyed Clips
- Switcher Croutons
- Time Code Capture on both capture and batch
capture panels
- Intelligent Background Render

Real Time DV Out

You can now select to output a DV stream out of your Firewire port. You can select between:

Preview - Great if you are using the original VT card but would still like a preview monitor.

Program - Send the output of the switcher directly to a DV Recorder via Firewire.

Main - Output whatever source is selected on the Main bus via Firewire.

500 DVEs

VT now includes around 500 different DVEs and also ships with both the NTSC and PAL versions.

VGA Capture

You can now capture the computer screen or a window or you can use it as a source on the switcher. You can even key out a color so you can use PowerPoint as a keyable input to the DSK.

DDR Preview

Small preview monitor built into the DDR Skin. No need to bring it up on the preview bus to cue a clip.

Multi-Monitor Support

You can now span two (or more) monitors or restrict the VT to any one of them.

Audio Mixer Input Pass Thru Control

Prevent feedback by disconnecting the analog input section of the mixer from the output audio stream. Good for using the same deck as a source and record deck or recording a house mixer while simultaneously feeding audio from DDRs to the same house mixer.

EQ on all inputs

Now you have 3 Band EQ on even the computer audio sources such as DDRs, Windows Media VT Edit etc. in addition to the 2 Band EQ on the analog inputs.

Automated 'Talkover' on mixer

Click a button on one of the mic inputs and the entire mix is attenuated so you can make announcements over the music etc. Great for VJs!

Floating Point Audio

A different way of representing the audio digitally that gives you 12dB extra headroom. In a 16 bit linear system if you play two clips that were recorded to 0dB they would combine to be at +3dB and therefore distort. VT[4] lets you go all the way to +12dB with no distortion. You can also increase the volume of a clip in the editor a LOT now. So if you recorded something too low you have a better chance of fixing it.

Unity Gain Audio

With the level controls set at the unity gain position the output signal is the same volume as the input signal. This is different than VT[3] which reduced your input by 6dB even with the level controls all the way up.

Calibrated Audio Metering

All of the meters now have accurate dB markings. This along with the unity gain will make it easy to correctly set levels into and out of the VT.

Audio Channel Link

Link stereo inputs into pairs to make quad input signals easy to control. You will need the VT[4] to hardware to actually work with full quad audio but you can also use this feature to link adjacent inputs and control them with a single 'knob'.

One Button Serverless Internet Streaming

One button access to the new streaming module. The module is easy, maybe even fool proof, to set up and can stream to up to 10 users at once.

Chroma Key Spill Suppression

Spill suppression joins the Tolerance, Smoothness and Contract controls in both the live and VT Edit Chroma Keyers. This controls the saturation of the edge of your key and helps remove any blue or green spill that occurs from your background.

Auto 16:9 Aspect

If the VT detects the 16:9 flag in incoming video it will automatically set the VT Vision windows to 16:9.

Switcher Croutons

Automate switcher functions by creating a VT Edit Project and dropping it into a DDR or add switcher events to a VT Edit Project. Create a project that plays clips and switches to live cameras etc.

Improved VT Vision

Smoother playback with a better interlace simulation.

Cleaner Panel Controls

Most modules can hide controls with a single mouse click and have much better highlighting of selections.

More Module Presets, now 6

Modules that have presets now can store 6 rather than 4.

File Bin Quick Tabs and more

User definable quick access tabs replace the 'Hotlist' in filebin windows. Get to your commonly used locations with a single mouse click. If you liked the pull down Hotlist you can still choose to use it rather than the tabs. Easier file renaming, just right click on the file name and select rename rather than pulling up the properties panel etc.

Dropped Frame Counter Capture Panel

If while recording the VT drops frames, it now keeps a running count so you can get some idea how bad the problem is. Drop one frame in an hour and don't sweat it, drop several hundred and panic!

4 Channel Audio Input (Requires VT-Pro)

Record (and playback) four separate signals (two stereo pairs). Good for surround sound or just more flexibility at edit time.

Alpha Out (Requires VT-Pro & SX -8 or SX-84)

The Alpha/Key (It's labeled one way or the other depending on the vintage of your SX-8) can output a black and white signal that corresponds to the transparency of your DSK or Key bus. Primarily used to key VT video in a down stream switcher. Can also be used to send a B&W version of your DSK to a separate monitor as a teleprompter for song lyrics etc.

Preview Out (Requires VT-Pro & SX-8 or SX-84)

The Alpha/Key output on the SX8 or SX-84 can be assign as a preview monitor output. May have other uses in later versions of the software.

Built In Genlock (Requires VT-Pro)

Lock the VT to house sync using the Genlock/Sync input on the SX-8(4) or the black cable on the breakout. A separate Genlock card is still available for the original VT cards.

Additional Video Input through VT Card, Software Support Coming Soon (Requires VT-Pro)

The new VT-Pro card has a third video input. This will allow full use of the Key (now called the Key/Aux) bus in future versions of the software. NewTek has said the software is in the works but has made available no other details. Get your feature requests in now.

Audio Mixer on Capture Console

Access to a mini version of the input section of the mixer directly in the capture panel.

Clipping Indicator on waveform display

If you increase the volume of a clip so much that it will clip those parts of the audio waveform turn yellow as a warning.

Program Peak Indicator on Audio Meter

Next to the audio meter is an indicator of the loudest peak in your program in dB, so you can scrub through the project and see how loud it gets. Yes, we said scrub – you won't have to listen to the whole thing in real time to find out the peak level of your clip or project!

Punch In Audio Support

You can record directly to the timeline while playing a project allowing you to "punch in" audio at particular points while hearing the existing audio.

Better Highlighting of selected items.

It is now more obvious when a clip is selected as it turns bright yellow. It's a small but welcome change.

Automated Video Stabilization

Stabilize handheld shots with no rendering. This is a huge time saver.

Quicktime Export

You can now render and export Quicktime files directly from VT edit. We expect to see import in the future.

DVD Authoring & MPEG Encoding

VT[4] includes Ulead DVD Workshop SE for encoding MPEGs and authoring DVDs. It's easy to use and pretty full featured.

CG Post Integrated into VT Edit

The Character Generator is now available within the VT Edit interface which makes it easy to compose a CG and then use the control tree to fly it around.

Image Super Sampling

An optional, ultra high quality, method of scaling video in the control tree. Scaling as good as it gets.

Per Layer Blur

You can now have keyframeable blur on individual clips. Pull focus on a key while leaving the background in focus etc.

Real-Time Video Filters

Filters include Emboss, Color Emboss, Detect Edge (Line Drawing), Blur, Color Corrections, Noise and Letterbox (both mask and squeeze). All are adjustable and keyframeable.

Real Time Audio Filters

Filters include Reverb, Delay (Echo), Noise, and Compression. Like the video filter these are also adjustable and keyframeable. Ever have to fiddle with volume levels while editing an event with applause? Compression will make it a breeze!

EDL Export

Export various types of Edit Decision Lists

Smooth Shadows on Keyed Clips

Shadows on keys are now smoothable and conform to the shape of the keyed image.

Time Code Capture on both capture and batch capture panels

The actual time code from the tape is now captured with both capture methods.

Intelligent Background Render

The background renderer can now detect when a portion of the timeline has not played back smoothly and will kick in and render the problem sections.