



AMPED  
DVRCONV

## AUTOMATIC VIDEO CONVERSION

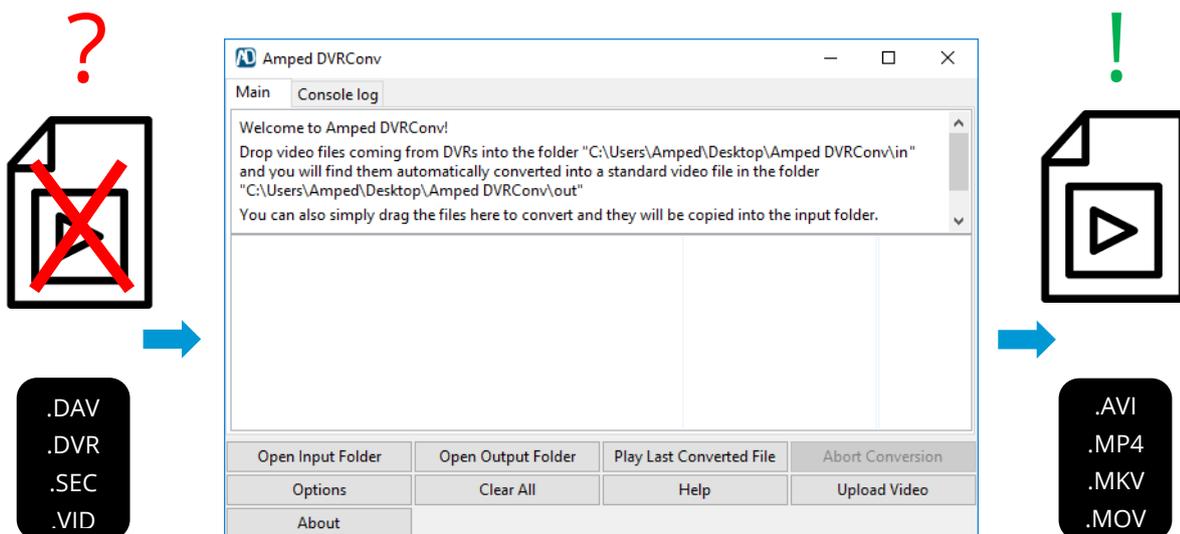
- Converts proprietary CCTV/DVR formats
- Supports hundreds of formats
- Makes any video playable in seconds



# WHAT IS AMPED DVRCONV?

*DRAG. DROP. DONE.*

Amped DVRConv is the easiest way to convert unplayable video files. Videos from proprietary DVR systems (Digital Video Recorders), CCTV systems (Closed Circuit Television), dash cams, body worn cameras and any other video source, can now be converted with just one click. With Amped DVRConv, you just drag, drop and you're done.



## WHY AMPED DVRCONV?

*SIMPLY A REVOLUTION*

With all the video surveillance systems installed in public facilities and private homes, as well as body worn cameras, dash cams, and let's not forget about all the mobile phones out there today, the chances that a crime is captured on video is very high. If you think of the average crime scene, any one crime is probably captured by 10 or more CCTV cameras. There are thousands of DVR manufacturers and each one generates their own proprietary video file types that don't play well with the standard Windows PC.

### THE OLD WAY OF WORKING

Often, vital evidence may be in a video file, but investigators can't get to that evidence. Police departments and court districts have been struggling for years to manage and utilize non-standard video files in their investigations.

Investigators would go out onto the scene with a USB key drive and fill it with video files from different DVRs. They would then go back to the office, search the Internet for players and then try to install those players, often having to get permission from the IT department. When finally installed, the players often would not work properly, would not provide video conversion functions or, when they did, there was a loss of quality. Furthermore, the risk of getting malware and viruses from downloading programs from the Internet is also a big concern for law enforcement agencies.

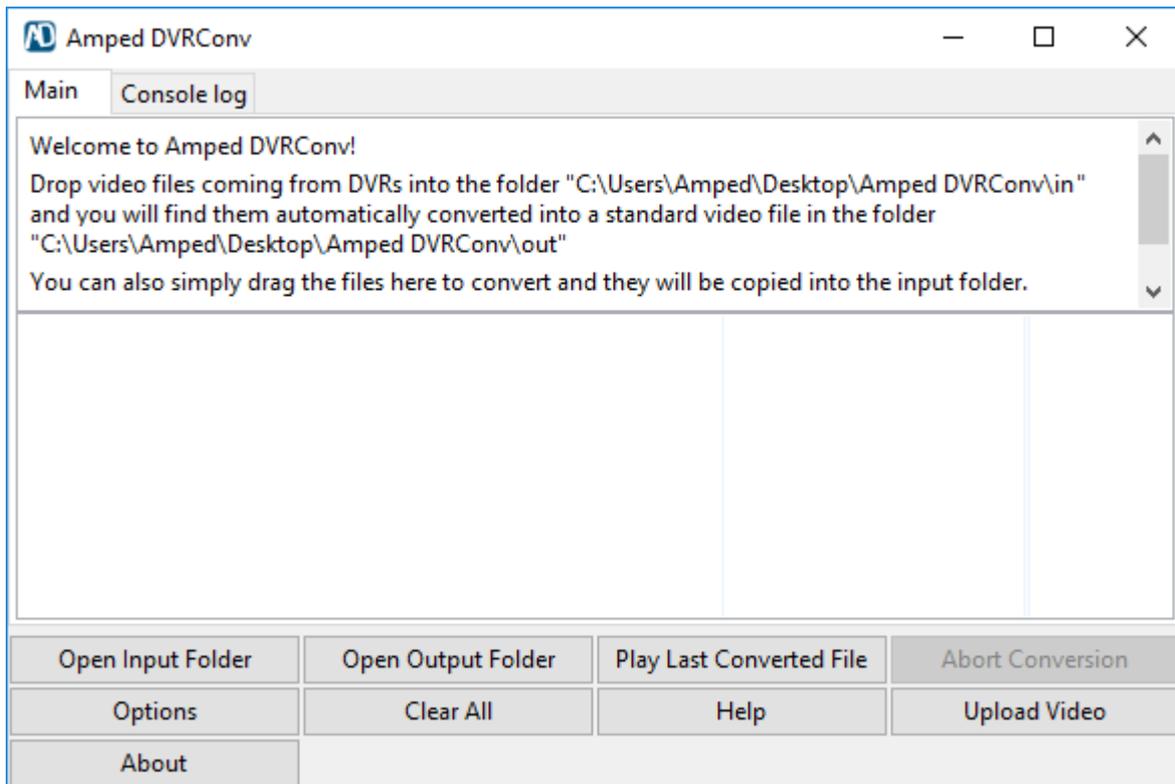
### THE NEW WAY OF WORKING

Amped DVRConv is the only tool of its kind on the market. With Amped DVRConv, the process is fast and easy. Simply drag videos into a specified folder or onto the application window and see them automatically convert to a user configurable format.

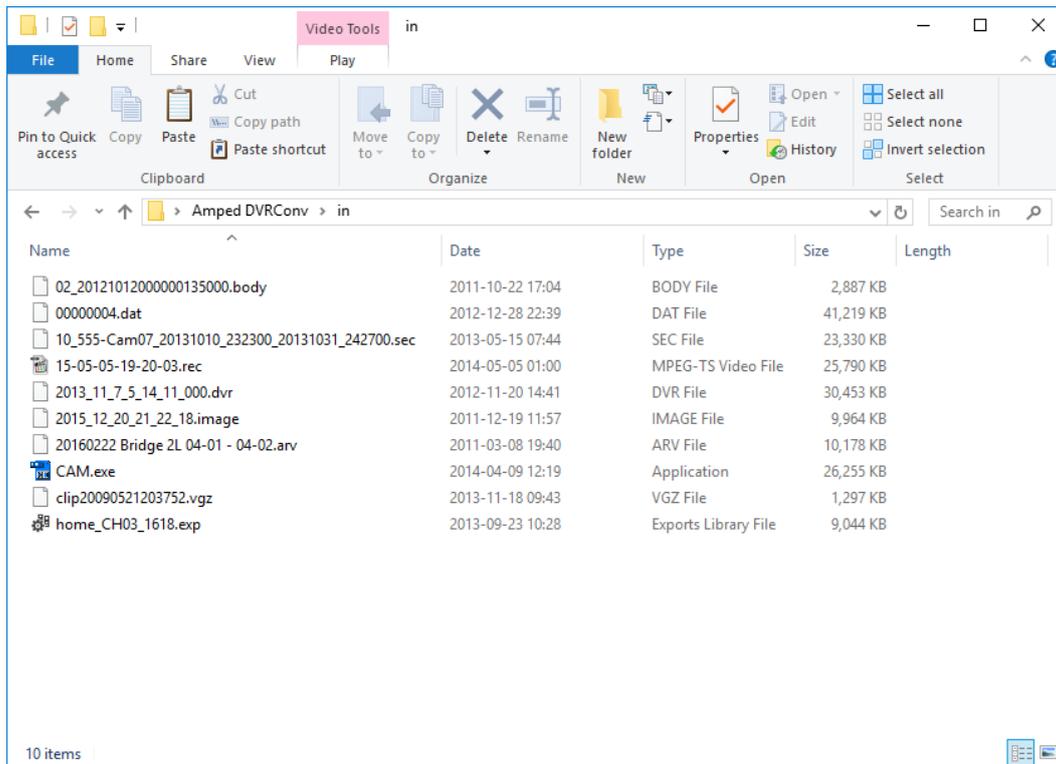
# TOUR

*EASY CONVERSION WITH JUST ONE CLICK*

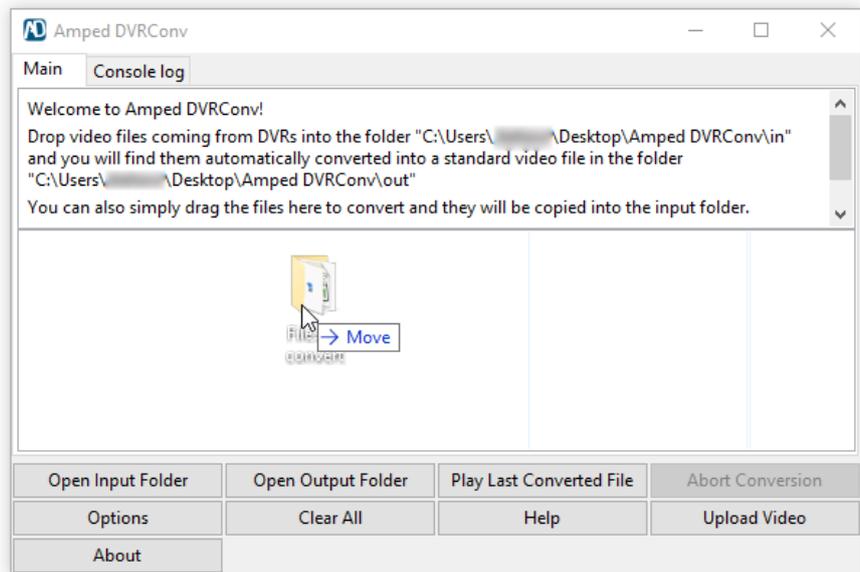
1. Launch Amped DVRConv.



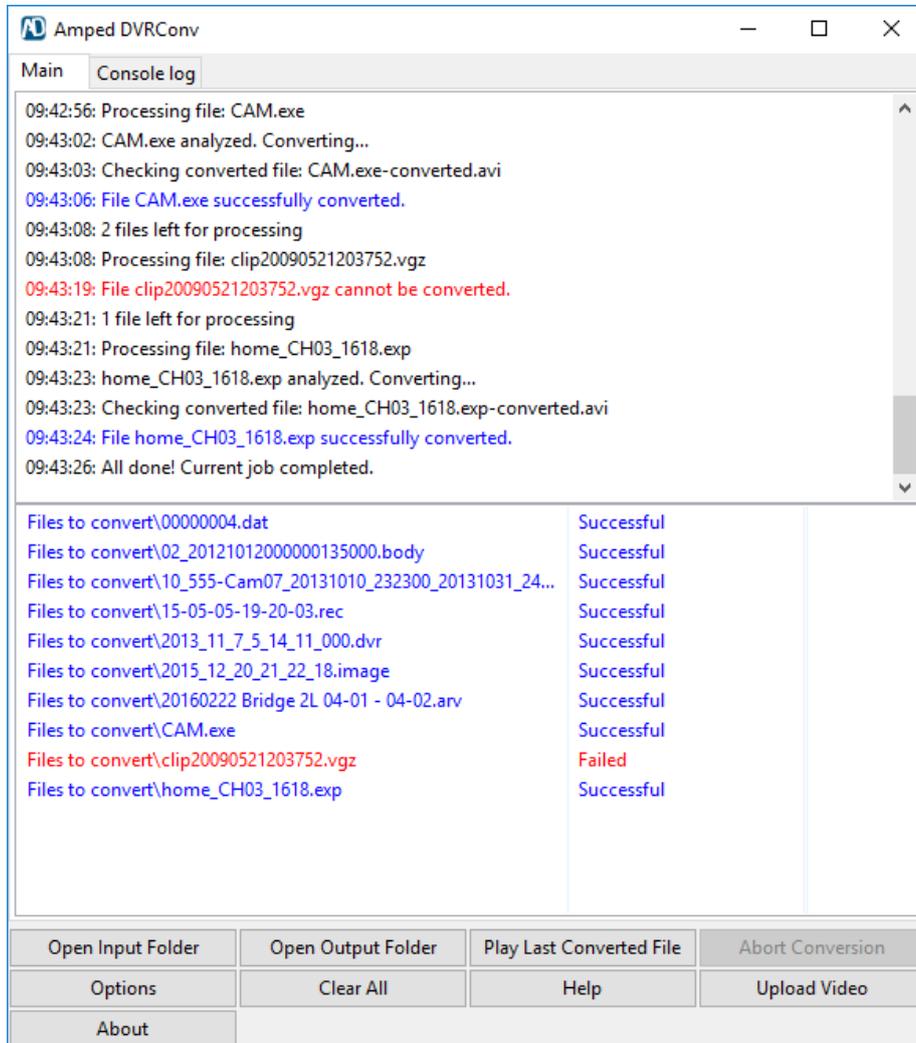
- Drop video files into the *Input Folder*. The folder can be on a local computer or on a network shared folder.



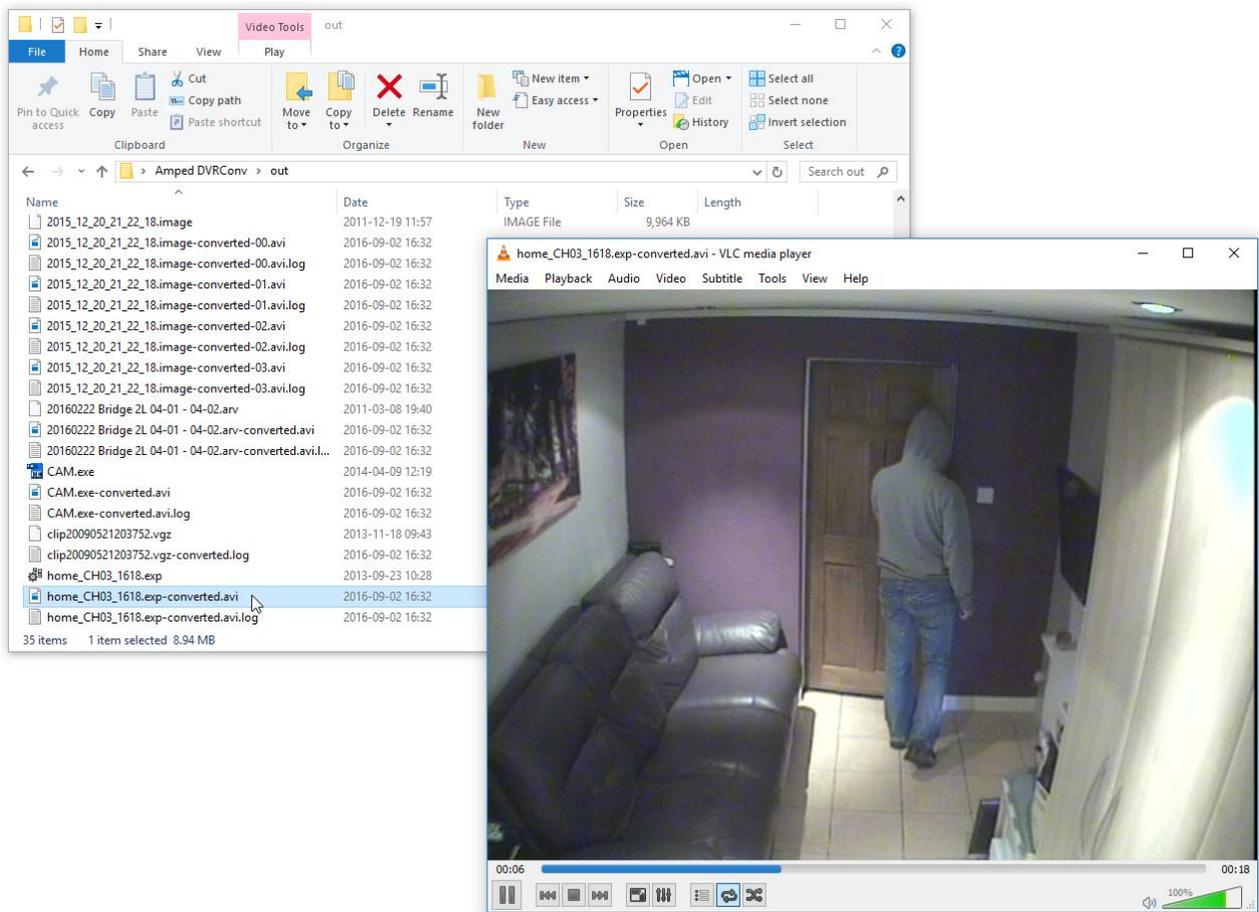
3. You can drag and drop the files to convert, or the directory containing them, directly onto the program interface. The files will automatically be copied in the *Input Folder*.



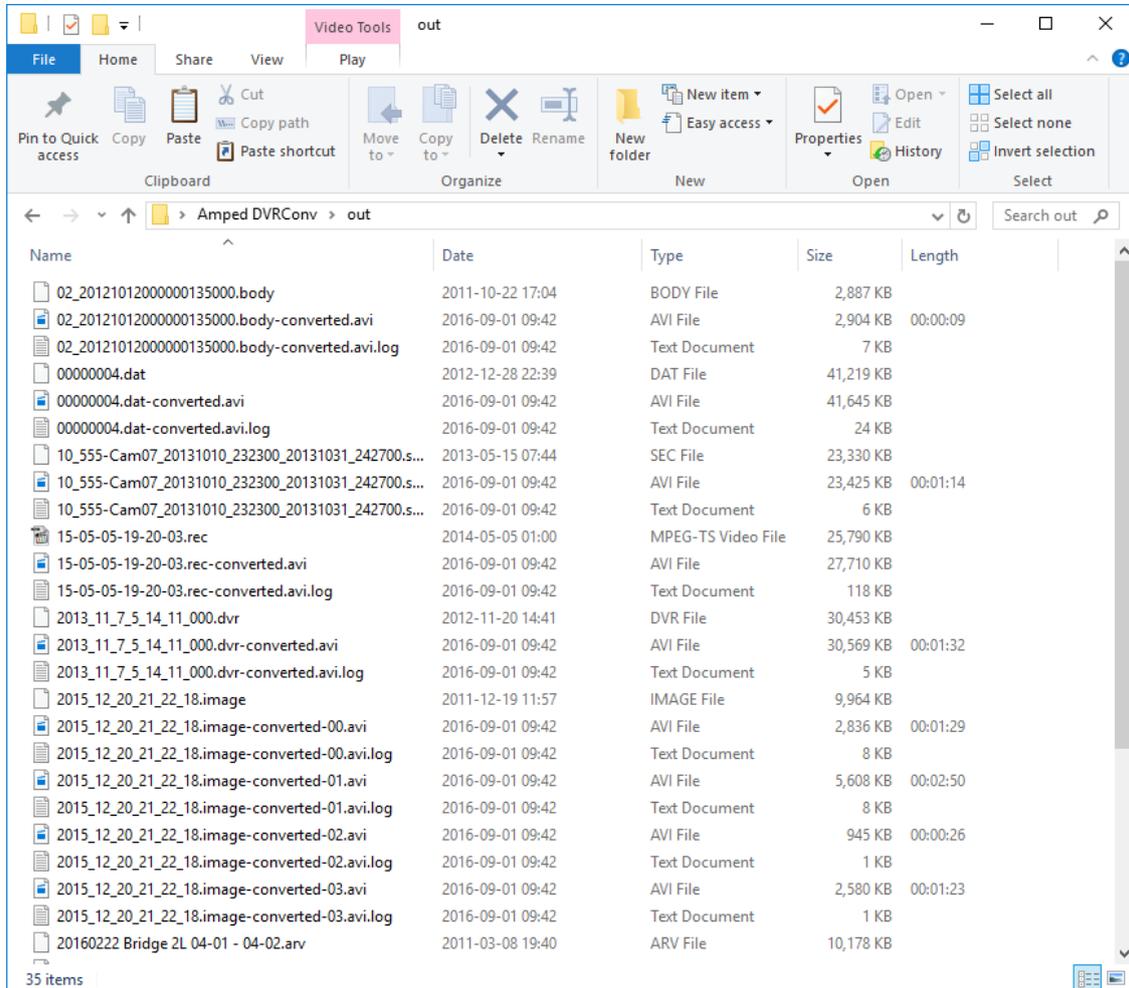
- Amped DVRConv automatically converts those files into a standard format (proxy file) and puts them into an *Output Folder* where you will find a true and exact copy of the original file and the playable converted proxy file, in addition to a detailed report of the process involved, including all the steps that were taken to create that file. This makes Amped DVRConv reliable, repeatable, and reproducible.



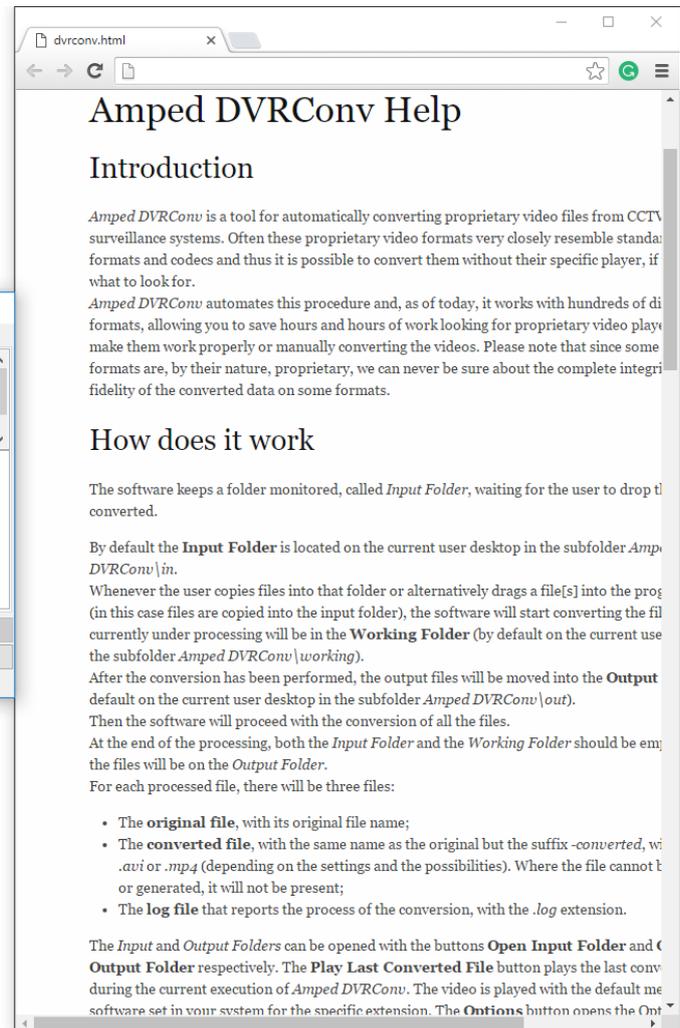
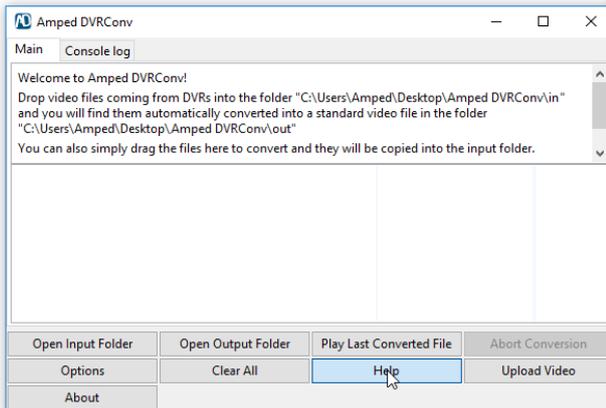
5. You can now double click on the converted files to be able to see elements of the crime.



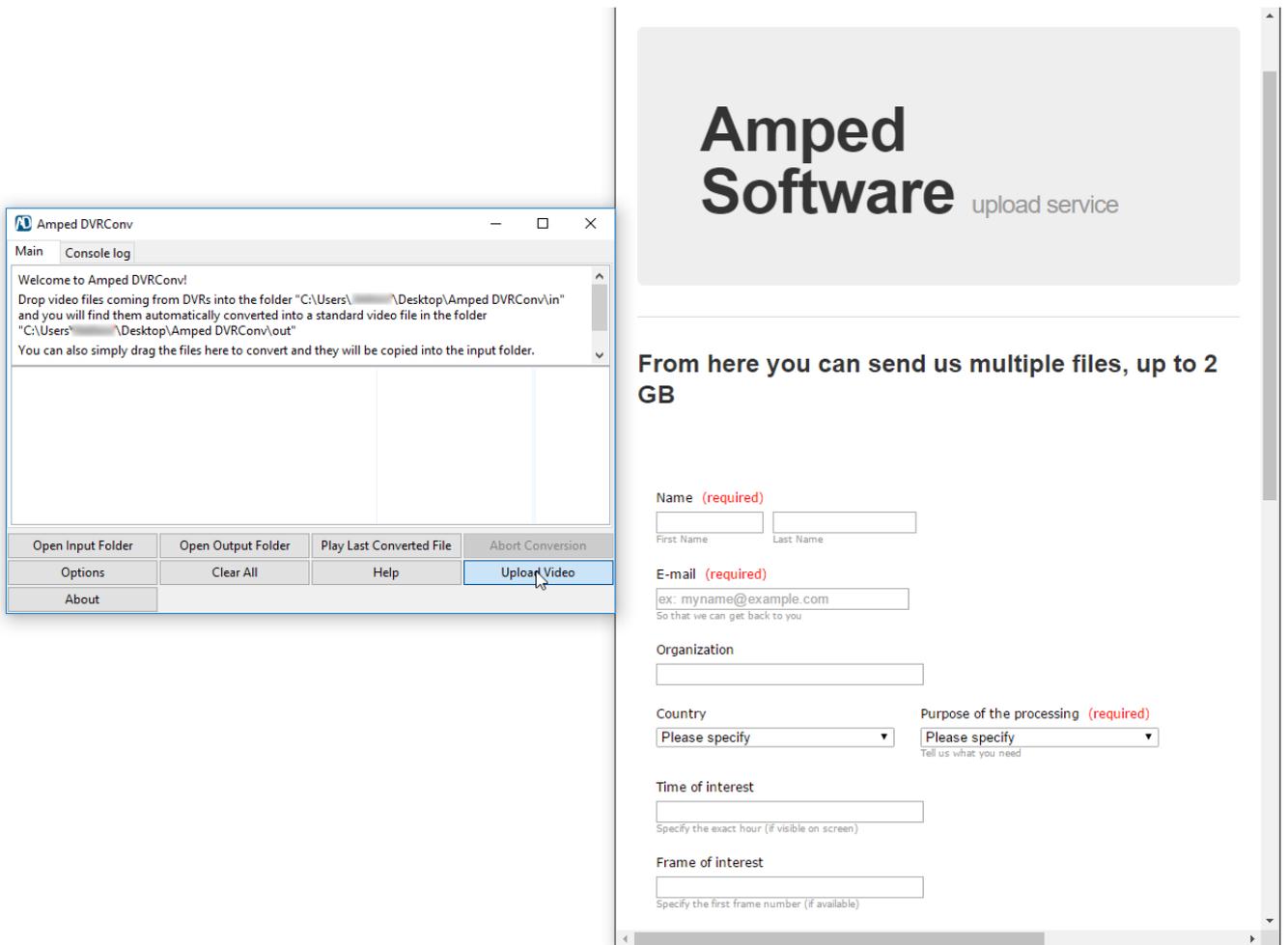
- Based on your specific needs, the format of the converted files can be changed, for example from AVI to MP4. Default settings are based on a compromise between having the most workable file format across the majority of law enforcement, preserving the originality of the data, and minimizing conversion time.



7. If you need help with how the product works, you can click on the *Help* button.



- If you have a video that is part of the few formats that we currently don't convert automatically, you can click on the *Upload Video* button to be directly connected to the Amped Software programming team to securely send files to convert. Our team generally turns these around within 24 hours.



## MAIN FEATURES

*THE ONLY SOFTWARE OF ITS KIND*



### Fast

With Amped DVRConv, the process is simple and fast. You just drag, drop and you're done. With a click of a button, previously unplayable files can now be viewed in just minutes.



### Easy to Use

It takes very little training to use Amped DVRConv. An investigator can easily hand off a USB key or multiple folders with unique video file types in them to untrained staff to convert.



### Powerful

Amped DVRConv is not a screen capture tool. It is a powerful drag and drop tool to perform straight conversion to create a proxy file from a proprietary original CCTV file to make it viewable by investigators and shared with prosecutors.



### Compatible

Amped DVRConv is the only product that converts over 80% of video formats you will find. And the reason why the number stays around 80% is because there are always manufacturers creating new DVRs and file formats. Amped DVRConv currently supports more than 250 different proprietary video formats from DVRs and CCTVs, in addition to dash cams, body worn cameras and many more formats, both proprietary and standard.



### Forensically Sound

Amped Software knows how important it is for our users to maintain an evidence trail and preserve original files, that is why Amped DRVConv not only produces a playable proxy file, but also preserves the original and creates a report detailing the conversion process.



### Top Level Customer Support

For the files that Amped DVRConv can't yet convert, users can upload videos to our server so our programming team can try to decode them and add support for their formats in the next software release. Normally, we are able to provide feedback on the feasibility of the conversion within one working day. **Users must have an active SMS plan to benefit from this service.**



### Network Capable

The Input / Output folders can be located on a local PC or on a network share.



### Flexible and Affordable

Since Amped DVRConv is a standalone solution compatible with standard PCs (Windows XP, Vista, Windows 7/8/10, 32 bit and 64 bit versions), the time and cost to deploy are minimal. As hardware standards change quickly, Amped DVRConv does not bind users to a platform that will soon be obsolete or cannot be upgraded without major expense (if at all). Amped DVRConv shows a clear advantage over competitors in cost effectiveness in a budget analysis based on total cost of ownership as well as return on investment.

**Given the amount of time spent making sense of valuable evidence by staff at all levels, including a copy of Amped DVRConv at every entry point for digital CCTV evidence files saves valuable time and protects your infrastructure.**

## PROBLEMS SOLVED WITH AMPED DVRCONV

*NO PROBLEM IS LEFT WITHOUT A SOLUTION*

Most video surveillance systems don't save videos in a standard and open format such as AVI or MP4, but in a proprietary format which is only viewable with the player provided by the system producer. This causes many issues:

### PROBLEM

For every video format, the user must find the proper player: this is often very time consuming since there are thousands of different formats and players on the market, often with different incompatible versions by the same producer.

### SOLUTION

Amped DVRConv will automatically detect your format and convert it without the need for additional software.

### PROBLEM

Systems are often old, and it is no longer possible to locate the proper player on the producer's website or sometimes the actual website cannot even be found, putting the user at risk of going into unsafe websites on the Internet.

### SOLUTION

Amped DVRConv does not need any additional software, nor a connection to the Internet.

### PROBLEM

Many law enforcement users don't have the system privileges to install new software on their systems.

### SOLUTION

Once Amped DVRConv is installed, you don't need any additional software to convert all the supported formats.

<b>PROBLEM</b>	Installing players is often very invasive and the more players are installed on the system, the greater the risk is of causing severe damage or conflict to the system configuration.
<b>SOLUTION</b>	Amped DVRConv does not pollute the system with libraries, codecs or registry modifications, or installing third party programs in system directories.

<b>PROBLEM</b>	Players often cannot be installed on modern operating systems that require a specific version and configuration (i.e. some players require Windows XP with no service pack or specific versions of Internet Explorer). Furthermore, sometimes they don't work properly on a virtual machine.
<b>SOLUTION</b>	Amped DVRConv works on any Windows system from Windows XP SP3 to Vista, 7/8/10, both in 32 and 64 bit. It works on air-gapped computers and even virtual machines. Amped DVRConv does not need any third party software or codecs, but can exploit already installed third-party codecs if available.

<b>PROBLEM</b>	Players are often very buggy and cannot be reliably used to view the video since they decode it in the wrong way or do not allow to properly seek or inspect the video.
<b>SOLUTION</b>	Once Amped DVRConv has converted the video, you can play it in any standard video player on any other PC or, even better, analyze it in <a href="#">Amped FIVE</a> .

<b>PROBLEM</b>	Players often do not provide any conversion function, so the only way to capture the video is to grab what is being played on screen or on the analog output, causing loss of quality, lost or duplicate frames, and loss of evidence originality.
<b>SOLUTION</b>	Amped DVRConv converts formats even if the producer does not supply a function to convert the video. It does not perform screen capture, but a conversion of the original data. The original evidence file is stored alongside the converted file, in addition to a conversion log, for maximum transparency and repeatability.

**PROBLEM**

When the players have some conversion function, they often perform a conversion through a transcoding of the video, which causes quality loss.

**SOLUTION**

For most supported formats, Amped DVRConv supports a conversion without transcoding, and instead rewraps the original video stream into a standard video container or a proprietary one. For the other formats, or depending on the user conversion settings, it may transcode the video but will still try to keep a compromise between file size and video quality.

**PROBLEM**

Law enforcement agencies normally receive many videos in many different formats every day. It may take hours to convert a single file manually, or even days, if there are problems locating the player.

**SOLUTION**

Since Amped DVRConv works automatically and is self-contained, it literally saves hours and days of work. And with better results.

## FAQ

*NO QUESTION IS LEFT WITHOUT AN ANSWER*

**Q** How many video formats does Amped DVRConv support?

**A** Amped DVRConv supports more than 250 proprietary CCTV/DVR video formats. In addition to those, a countless number of others are supported via the generic decoder. Statistically, we are able to convert more than 80% of the formats that we have encountered, including new formats received by users. As of today, we support several variations of files with these extensions: 264, 400, 600, 787, acsm, aira, aov, arv, asf, asx, av, avc, avd, ave, avf, avi, avr, awlive, bdb, bin, blk, body, bes, bfs, bix, box, bpv, bu, bwm, cx3, d, da, dar, dat, data, dav, dbx, dga, djp, dmi, dmskm, dpv, drv, dv4, dv5, dvr, dvt, edr, eds, exe, exp, eye, gbf, gop, h263, h264, hgd, hme, icf, ifv, image, img, irf, iva, jv, k26, lvf, lwx, lxf, m2v, m4v, m65, max, mgv, mjp, mjpg, mkv, mod, mov, mp4, mpc, mpg, mpg2, mrd, mts, mxg, nvf, nvr, omv, par, pic, pns, ps, pvf, qbx, raw, rec, rsv, s, sdr, sec, snx, ssf, strg, stw, svf, teb, umv, v, vdd, vdx, vfs4, vid, video, video.data, vls, vmf, vse, vsr, wmv. Many others are supported through our generic decoders.

**Q** What should I do if a video format is not supported?

**A** Directly from Amped DVRConv, you can access our upload page to send videos to our server so our team can try to decode them and add support for their formats in the next release. Normally, we are able to provide feedback on the feasibility of the conversion within one working day. Typically, we are able to convert more than 80% of the new formats sent by users.

**Q** Does Amped DVRConv preserve or extract the timestamp from the video?

**A** It depends: if the timestamp (and additional information, such as camera name) is printed on the pixels of the video, it will be included in the converted video; otherwise, if the timestamp is not printed on the video, it must be extracted separately.

Q Does Amped DVRConv separate multiple video sources stored in the same file?

A This process, called demultiplexing, is supported for some formats. The demultiplexing for additional video formats is being continually added with software updates. For some video formats, the demultiplexing can also be accomplished in [Amped FIVE](#) with the filter "Demultiplexer".

Q Does Amped DVRConv support audio?

A Yes, it does support the conversion of the audio stream together with the video.

Q Does Amped DVRConv preserve the originality and authenticity of video files and metadata?

A Amped Software tries to do it as much as possible. We suggest, whenever possible, to prefer a conversion without transcoding (copying the stream). In this way, the conversion should not cause any loss of data and quality by transcoding. Proprietary files are by nature closed and thus we cannot absolutely guarantee the compliance of the converted video data and metadata with the original one. However, several times we have seen a better and more faithful result in the conversion and visualization of the file with Amped DVRConv than with the proprietary player supplied by the producer. In order to perform an in-depth forensic analysis of the video file, especially with new video formats, we suggest in any case to cross verify and compare the results obtained with the player supplied by the producer. Amped DVRConv always puts the original file and the conversion log alongside the converted one for better transparency and repeatability.

Q Is Amped DVRConv useful only for CCCTV/DVR files?

A No. Amped DVRConv can also be useful for a format normalization of any standard video files from mobile phones, digital cameras, drones, body cams, dash cams, Internet download and any other video sources.

## PURCHASE INFORMATION

### APPLICATIONS

Join the hundreds of law enforcement agencies around the world who have made the switch to easy and automatic video file conversion.

Source of Data	Types of End Users
<ul style="list-style-type: none"> <li>▪ CCTV/DVRs</li> <li>▪ Body Worn Cameras</li> <li>▪ Vehicle / Dash Cams</li> <li>▪ Mobile Phones</li> <li>▪ Digital Cameras</li> <li>▪ Internet Videos / Social Media</li> <li>▪ UAV / Drones</li> </ul>	<ul style="list-style-type: none"> <li>▪ Field Officers</li> <li>▪ First Responders</li> <li>▪ Forensic Experts</li> <li>▪ Regional / Local Police</li> <li>▪ Kiosk and Bureau Offices</li> <li>▪ Command Vehicles</li> <li>▪ Covert Surveillance Teams</li> </ul>

### MATERIAL AND LICENSING

The standard Amped DVRConv software package includes:

- 1 Installation DVD\*
- 1 USB license activation/protection dongle (1 license is valid for use on one workstation at a time)
- User manual in electronic format
- 1 year of software updates
- 1 year of technical support via email

\* Please note that the standard software package may vary depending on the country.

### SOFTWARE MAINTENANCE AND SUPPORT (SMS)

Software Maintenance and Support (SMS) subscription allows you to always work with the latest version of Amped DVRConv. We continually add support for new file formats, so you want to make sure you have the latest version on hand. And if you run into any issues using Amped DVRConv, an active SMS subscription will provide you with access to technical support.

Software upgrades and unlimited technical support via email is included for one year from the date of purchase of the Amped DVRConv license. You may purchase additional years of SMS at any time. Please [inquire](#) for details and pricing.

Renewal of SMS is not mandatory, so the license purchased is still valid and can be used even without an active SMS plan. Continued software upgrades and technical support however require the purchase of an SMS subscription plan. **Please note that users must have an active SMS plan to benefit from the "Upload Video" service.**

## HARDWARE REQUIREMENTS

Any modern Windows PC is capable of running Amped DVRConv, but this is the suggested configuration:

	<b>Minimum requirements</b>	<b>Suggested requirements</b>
CPU	Intel Core i3	Intel Core i5 or faster
RAM	4 GB	8 GB or more
Hard drive space	1 GB free for program files	1 GB free for program files, 10 GB or more for casework files
Screen	13", 1024x768	24" or bigger, 2560x1440 or bigger
Graphic card	No specific requirement	No specific requirement
OS	Windows XP SP3 (32/64 bit) Windows Vista (32/64 bit) Windows 7 (32/64 bit) Windows 8 (32/64 bit) Windows 10 (32/64 bit)	Windows 7 64 bit Windows 10 64 bit

## WHERE TO BUY

Amped DVRConv can be purchased directly from Amped Software or through one of our authorized worldwide partners.

## ABOUT US

### *SETTING THE STANDARD FOR IMAGE AND VIDEO FORENSICS*

#### OUR STORY

Amped Software was founded in Trieste, Italy, in 2008 by Martino Jerian. While working on his master thesis in Digital Image Processing at the University of Trieste, in collaboration with the Scientific Investigation Department of Carabinieri (Italian Military Police), Martino realized that video processing solutions for forensic applications were poor or non-existent, and not one single product could be found that met all of the needs of a forensic analyst. Products offered at the time were a compromise of features or were incomplete and required other products to accomplish common tasks. This is why Martino decided to develop Amped FIVE, the company's flagship product.

Amped Software has thus been recognized as an innovator in the national and international arena. In 2008, barely a year from its founding, Amped Software was awarded as the best Italian start-up at the Tech Garage business competition, held during SMAU trade-show. In 2010, Amped Software was presented in the book "Winning Italy: Almanac of Italian Excellence" by the Ministry of Foreign Affairs, which highlights significant innovation and achievements by Italian companies and individuals. Amped Software was also highlighted as a leader in scientific accomplishments in a world class group which featured prominent companies such as Ferrari, senior "Big Bang" CERN researcher Lucio Rossi, and Lorenzo Thione, the developer of the technology used by Microsoft in the Bing search engine.

Today, Amped Software is a global company with headquarters and R&D labs in Trieste, Italy and a regional office and training facility in Henderson, Nevada, USA. Our US office is registered as a US Department of Defense contractor and sells DoD compliant products. We are also supported by a large network of worldwide partners.

#### OUR FOCUS

Amped Software is committed to help fight crime to keep communities safe, by offering innovative solutions to help convict criminals and protect the innocent.

We are setting the standard for image and video forensics. We focus on developing the most advanced and complete, yet simple and easy-to-use technologies for all image and video processing needs related to forensics, public security and investigations. With an emphasis on the transparency of the methodologies used, our solutions empower our customers with the three main principles of the scientific method: accuracy, repeatability and reproducibility.

Our customers are our number one priority. We continually listen to our customers and adapt and update our solutions on a monthly basis, in order to meet their evolving needs in digital image and video forensics.

## OUR TEAM

Amped Software is made of a team of highly experienced digital forensic experts that use our own software to work on numerous real cases, in which many are of national and international importance. Some team members have also previously served in law enforcement and military. Because of our diverse experience we have a rare insight into how our tools work in practice and are able to emphasize any limitations or missing features for us to improve.

## OUR CUSTOMERS

Important forensic labs, law enforcement, government, military, and security organizations worldwide use our solutions. Our products have been sold in more than 60 countries.

## OUR PARTNERS

Amped Software has a large worldwide network of resellers and distributors. We also have several strategic and technological partnerships with some of the best companies in the law enforcement and video surveillance fields. As a strategic partner of [Taser International](#), Amped Software technology powers the [Axon Forensic Suite](#). Amped Software is also a [Milestone Solution Partner](#). This partnership allows for our products to have native compatibility with Milestone XProtect VMS and its formats.

## GLOBAL HEADQUARTERS

### **Amped SRL**

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