

VISIOTECH VS-2 BODY CAMERA – QUICK REFERENCE GUIDE

This quick reference guide details the procedure for the Visiotech VS-2 Body camera firmware upgrade and the use of AES-256 encryption in the camera and the Visiotech software.

FIRMWARE UPGRADE

1. You will need to use the VS-2 Cam Manager Software to unlock the camera and access the camera directory.
2. Copy the firmware file into the root directory of Visiotech VS-2 body camera, then reboot the camera.
3. The Visiotech VS-2 body camera will enter the firmware update procedure automatically after rebooting.
4. During the upgrade, the Visiotech VS-2 body camera may reboot several times.
5. Do not turn the camera off until the upgrade is complete. The upgrade can take several minutes.

AES-256 ENCRYPTION KEY

For AES-256 encryption to work on the VS-2 Body camera, a user's nominated encryption key must be programmed into the camera and in any Visiotech software that plays the video files.

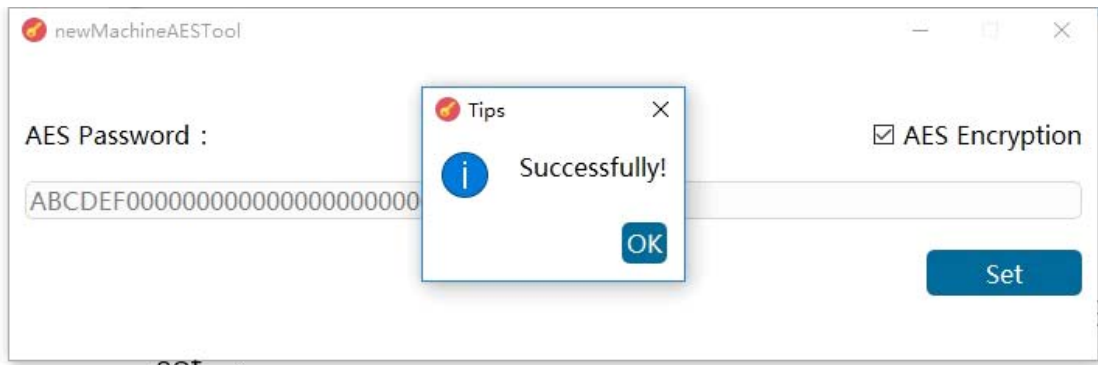
The following procedure details this:

VISIOTECH VS-2 BODY CAMERA PROCEDURE:

1. Connect the Visiotech VS-2 body camera to the USB port of your computer, open the AES Tool provided by Comvision.

<input type="checkbox"/> Name	Status	Date modified	Type	Size
platforms	✓	3/07/2019 2:35 PM	File folder	
libusb0.dll	✓	24/04/2015 11:36 ...	Application extens...	66 KB
libusbctrl.dll	✓	9/06/2019 11:34 PM	Application extens...	2,629 KB
<input checked="" type="checkbox"/> newMachineAESTool	✓	21/06/2019 5:00 PM	Application	146 KB
Qt5Core.dll	✓	24/10/2018 1:56 PM	Application extens...	4,667 KB
Qt5Gui.dll	✓	7/06/2018 5:17 AM	Application extens...	4,853 KB
Qt5Widgets.dll	✓	7/06/2018 5:20 AM	Application extens...	4,364 KB
Visiotech AES function on VS-2 V1.1	✓	8/08/2019 2:18 PM	Adobe Acrobat D...	378 KB

2. Tick "AES encryption" to enable the AES function. Enter a 32-character AES key and click set to write the AES password into the camera.



- The AES key will be generated and automatically put into the folder.

<input type="checkbox"/> Name	Status	Date modified	Type	Size
<input checked="" type="checkbox"/> AESKey	✓	15/08/2019 9:45 AM	File folder	
platforms	✓	3/07/2019 2:35 PM	File folder	
libusb0.dll	✓	24/04/2015 11:36 ...	Application extens...	66 KB
libusbctrl.dll	✓	9/06/2019 11:34 PM	Application extens...	2,629 KB
newMachineAESTool	✓	21/06/2019 5:00 PM	Application	146 KB
Qt5Core.dll	✓	24/10/2018 1:56 PM	Application extens...	4,667 KB
Qt5Gui.dll	✓	7/06/2018 5:17 AM	Application extens...	4,853 KB
Qt5Widgets.dll	✓	7/06/2018 5:20 AM	Application extens...	4,364 KB
Visiotech AES function on VS-2 V1.1	✓	8/08/2019 2:18 PM	Adobe Acrobat D...	378 KB

- Reboot the camera.
- Go into the camera menu settings and set the AES Encryption setting to on.
 - Note: Using this menu setting, users can turn encryption on and off as required. When set to on the camera will use the key in the camera.

VISIOTECH SOFTWARE AES KEY PROCEDURE:

- Copy the AES key folder from the camera to the directory of MapVideo V4. This will ensure playback will de-encrypt the video files with your nominated encryption key.

<input type="checkbox"/> Name	Status	Date modified	Type	Size
<input checked="" type="checkbox"/> AESKey	✓	25/06/2019 11:09 PM	File folder	
key	✓	6/03/2019 12:00 PM	File folder	
mediaservice	✓	6/03/2019 12:00 PM	File folder	
platforms	✓	6/03/2019 12:00 PM	File folder	
res	✓	28/04/2019 12:30 PM	File folder	
debug	✓	3/07/2019 12:57 PM	LOG File	15 KB
icudtl.dat	✓	7/06/2018 2:25 PM	DAT File	9,894 KB
libeay32.dll	✓	8/04/2014 9:26 AM	Application extension	1,150 KB
<input checked="" type="checkbox"/> mapVideo v4	✓	25/06/2019 10:04 PM	Application	459 KB
opengl32sw.dll	✓	14/06/2016 11:08 PM	Application extension	15,621 KB
qt.conf	✓	24/10/2018 2:56 PM	CONF File	1 KB
Qt5Core.dll	✓	24/10/2018 2:56 PM	Application extension	4,667 KB
Qt5Gui.dll	✓	7/06/2018 5:17 AM	Application extension	4,853 KB
Qt5Multimedia.dll	✓	7/06/2018 1:52 PM	Application extension	563 KB
Qt5MultimediaQuick_p.dll	✓	7/06/2018 1:52 PM	Application extension	89 KB
Qt5MultimediaWidgets.dll	✓	7/06/2018 1:52 PM	Application extension	83 KB
Qt5Network.dll	✓	7/06/2018 5:17 AM	Application extension	939 KB
Qt5OpenGL.dll	✓	7/06/2018 5:20 AM	Application extension	266 KB
Qt5Positioning.dll	✓	7/06/2018 2:17 PM	Application extension	228 KB
Qt5PrintSupport.dll	✓	7/06/2018 5:20 AM	Application extension	266 KB
Qt5Qml.dll	✓	7/06/2018 1:33 PM	Application extension	2,615 KB

- Copy the AES key folder into the installation directory of the Visiotech DEMS V4.9.X Docking Software.

<div> <div></div> <div>AESKey</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>iconengines</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>imageformats</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>key</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>log</div> </div>	7/01/2019 11:16 AM	File folder	
<div> <div></div> <div>mediaservice</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>platforms</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>portrait</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>res</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>sqldrivers</div> </div>	2/08/2019 1:13 PM	File folder	
<div> <div></div> <div>keyboard</div> </div>	13/11/2018 3:09 PM	Application	8,090 KB
<div> <div></div> <div>K-Lite_Codec_Pack_1360_Basic</div> </div>	1/07/2019 3:51 PM	Application	16,628 KB
<div> <div></div> <div>LAVFilters</div> </div>	22/08/2017 11:47 AM	Application	10,542 KB
<div> <div></div> <div>linguist</div> </div>	7/06/2018 11:56 AM	Application	1,021 KB
<div> <div></div> <div>mapVideo</div> </div>	2/07/2019 11:32 AM	Application	462 KB
<div> <div></div> <div>MYSQL5.5_32</div> </div>	18/12/2018 5:01 PM	Application	36,571 KB
<div> <div></div> <div>QtWebEngineProcess</div> </div>	7/06/2018 2:22 PM	Application	15 KB
<div> <div></div> <div>RecorderManager</div> </div>	11/07/2019 2:46 PM	Application	688 KB
<div> <div></div> <div>unins000</div> </div>	20/12/2018 3:10 PM	Application	1,294 KB
<div> <div></div> <div>libeay32.dll</div> </div>	8/04/2014 7:26 AM	Application extension	1,150 KB

- You will now be able to play the AES encrypted video in the DEMS Docking Software.

NOTE:

- If you want to change the AES key, you will need to delete all AESKey folders and repeat this procedure.***
- Do not lose the encryption key for your site. Without this key the video files are not usable.***