e-CAMView Streaming Application Installation Manual

e-con Systems

Your Product Development Partner

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Introduction to e-CAMView

e-con Systems provides a sample DirectShow application, called e-CAMView, along with the See3CAM device. e-CAMView is a typical DirectShow camera application but customized to demonstrate some of the features of See3CAM device.

This document describes how to install the e-CAMView application step by step on the host PC and how to launch the e-CAMView application.

Prerequisites

The prerequisites are as follows:

- PC must support Windows 8.1 or 10.
- Access for See3CAM device in Developer Resources website.
- Download the **e-CAMView Streaming Application Installer.zip** file.

Installation of e-CAMView

This section describes the installation steps of e-CAMView application.

The e-CAMView application can be installed using the installer file provided in Developer Resources website. The e-CAMView application installer can be also obtained by mailing to e-con Systems. This is a sample DirectShow application used to demonstrate some of the features of the See3CAM device.

The e-CAMView installation steps are explained in detail with the screenshots.

Step 1 - Welcome Screen

As a first step, extract the **e-CAMView Streaming Application Installer.zip** file. When you run the **e-CAMView Installer setup.exe** file, the Welcome screen appears as shown below.
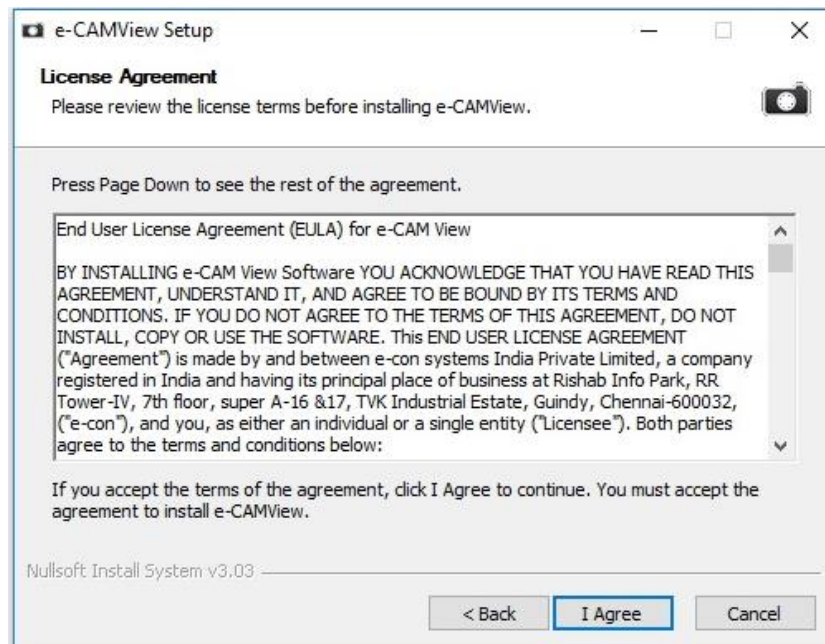

Figure 1: Welcome Screen

Click the **Next** button.
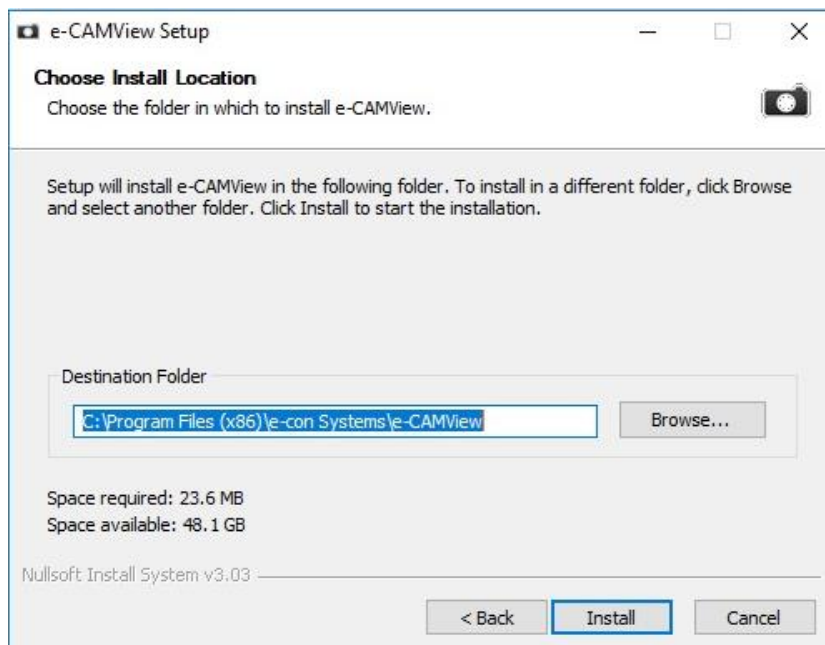
Step 2 - Installation Path Selection

On clicking the **Next** button, you can view the screen similar to the license agreement window shown below.

Figure 2: License Agreement Window

Click the **I Agree** button to view the installation path selection window as shown below.

Figure 3: Installation Path Selection Window

You can either use the default installation path **C:\Program Files\e-con Systems\e-CAMView** for 32-bit OS, **C:\Program Files (x86)\e-con Systems\e-CAMView** for 64-bit OS or change to another installation path by clicking the **Browse** button.

Click the **Install** button to install the e-CAMView application.

Step 3 - Installation Process

This is the final stage of e-CAMView installation. During this stage, all required files are extracted and copied to specific location. The progress of installation appears as shown below.
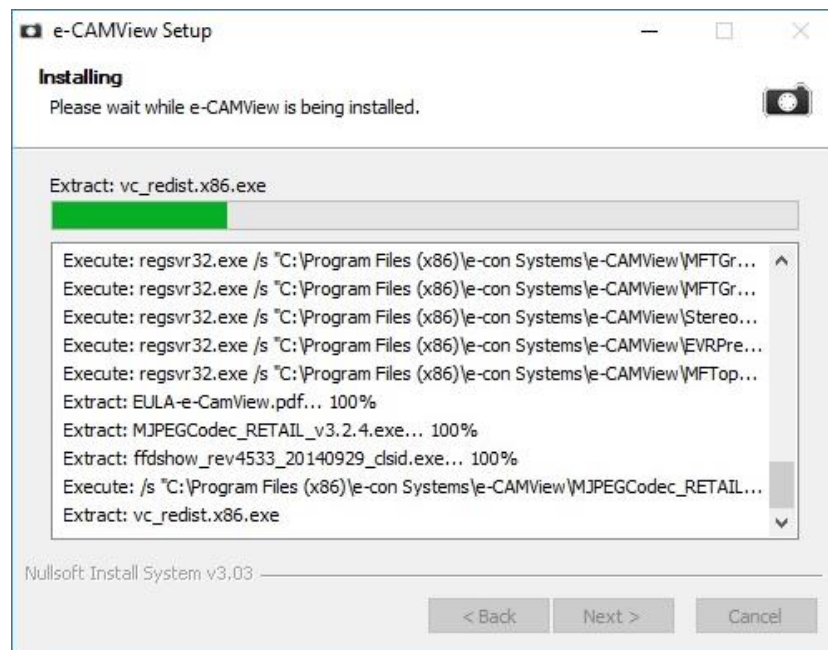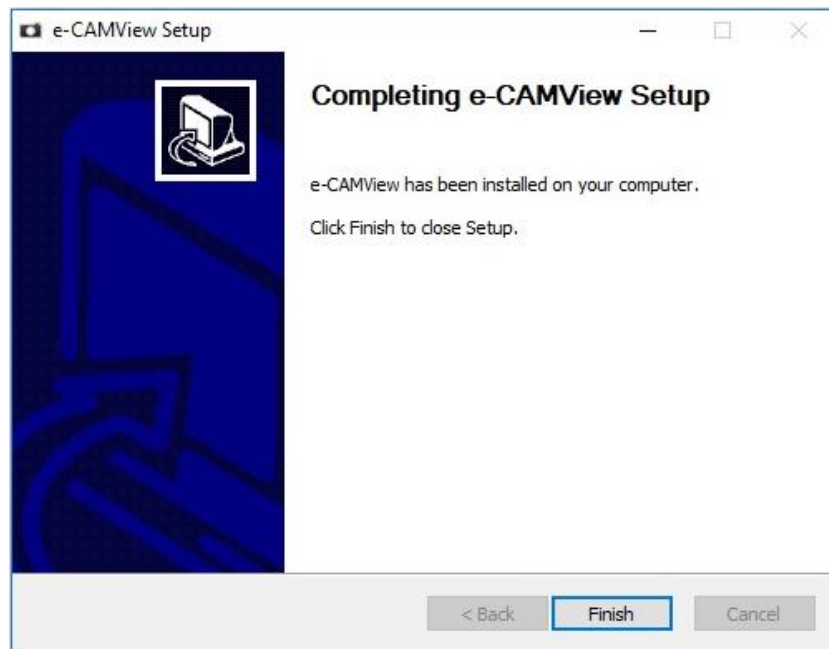

Figure 4: Ready to Install Window

Step 4 - Installation Complete

After the e-CAMView installation, you can view the e-CAMView Setup completion window as shown below.

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Figure 5: e-CAMView Setup Completion Window

Click the **Finish** button to exit the setup wizard after the completion of installation.

Launching e-CAMView Application

This section describes how to launch the e-CAMView application.

For Windows 8.1 or Windows 10, click **Start > Search >** enter **e-CAMView >** click **e-CAMView** or double-click the **e-CAMView** icon in desktop to launch the e-CAMView video streaming and capture application.

The e-CAMView application is provided with a set of features that can be used to attain the full functionality of See3CAM device. The Menu bar at the top contains few menu items and the Status bar at the bottom shows some related information. When the application is running, the current preview resolution and the frame rate are displayed in the Status bar as shown below.

Figure 6: Application Launch Appearance

For more details, please refer to the e-CAMView streaming application user manual.

In this section, you can view the commonly occurring issue and their troubleshooting step.

Device connected, indication LED glows in Red color, and the device is not listed in the application or device manager.

It seems like device firmware is corrupted. Try re-flashing firmware image using firmware updater application from Developer Resources website. If this does not help, contact e-con Systems online support support@e-consystems.com.

1. **I can view frame corruption while streaming. Can this be avoided?**

    Yes, this is due to bandwidth limitation in USB host. This may occur when multiple cameras are connected to single USB host or in USB hosts of less powerful embedded boards. Visit e-con Systems blog https://www.e-consystems.com/blog/camera/?p=1720 for more information on USB practical bandwidths.

2. **What sort of support does e-con Systems provides along with the camera?**

    e-con Systems will provide the basic support on the evaluation for all the customers who have purchased the camera. The hardware/software/firmware customization of the kit will be provided by e-con Systems based on your requirements. e-con Systems will also manufacture your custom cameras and will be supplied.

3. **Is there any software available with the camera?**

    Yes, e-con Systems provide e-CAMView for Windows and QtCAM for Linux sample application demonstrating the capabilities of this camera.

4. **What are the supported OSs?**

    The supported OSs are Windows 8.1 and 10.

5. **The camera is not suitable to my requirements. Can I return the camera?**

    No, the kit is non-returnable and non-refundable. However, the kit is under warranty and e-con Systems will replace for any failed kit under warranty terms.

6. **The camera is getting very hot. Is it suitable for usage?**

    Yes, but the camera module needs an external heat sink to dissipate the heat for prolonged usage.

7. **I would like to use a different lens. What is the NRE charge?**

    If your application requires fixed focus custom lens, contact sales@e-consystems.com. Non-recurring engineering (NRE) refers to the one-time cost to research, design, develop and test a new product or product enhancement.

After launching the e-CAMView application, you can refer to the e-CAMView Streaming Application user manual to know more about the See3CAM device features.

CMOS: Complementary Metal Oxide Semiconductor.

FHD: Full HD (Industry name for 1920 x 1080 resolution).

HD: High Definition (Industry name for 1280 x 720 resolution).

HDR: High Dynamic Range.

NRE: Non-recurring engineering.

OS: Operating System.

QHD: Quad HD (Industry name for 2560 x 1440 resolution).

USB: Universal Serial Bus.

USB 2.0: Universal Serial Bus High speed.

USB 3.1 Gen 1: Universal Serial Bus Super speed.

UVC Compliant: USB Video Class Compliant.

UYVY: YUV422 16-bit image format with UYVY ordering.

VGA: Video Graphics Array (Industry name for 640 x 480 resolution).

Contact Us

If you need any support on the product, please contact us using the Live Chat option available on our website - https://www.e-consystems.com/

Creating a Ticket

If you need to create a ticket for any type of issue, please visit the ticketing page on our website - https://www.e-consystems.com/create-ticket.asp

RMA

To know about our Return Material Authorization (RMA) policy, please visit the RMA Policy page on our website - https://www.e-consystems.com/RMA-Policy.asp

General Product Warranty Terms

To know about our General Product Warranty Terms, please visit the General Warranty Terms page on our website - https://www.e-consystems.com/warranty.asp

Revision History

Rev	Date	Major Changes	Author
1.0	06-January-2020	Initial Draft	Camera Dev Team
1.1	24-January-2020	Content updated	Camera Dev Team
1.2	20-May-2021	Updated changes	Camera Dev Team