

e-CAM24_CUNX

Release Package Manifest



Disclaimer

e-con Systems reserves the right to edit/modify this document without any prior intimation of whatsoever.

Contents

INTRODUCTION TO E-CAM24_CUNX	3
PACKAGE MANIFEST	4
OVERVIEW OF PACKAGE MANIFEST DIRECTORY	5
APPLICATION	5
KERNEL	5
MISC	6
GLOSSARY	7
SUPPORT	8

Introduction to e-CAM24_CUNX

e-con Systems is a leading Embedded Product Design Services Company which specializes in advanced camera solutions. e-CAM24_CUNX is a new MIPI camera which uses the AR0234CS camera module from ON Semiconductor®. It is a 2-Lane module connected to the Jetson Xavier NX™/Jetson Nano™ development kit launched by e-con Systems.

This document explains the directories of package manifest and the contents of release package for Jetson Xavier NX™/Jetson Nano™ development kit.

Package Manifest

This section describes the detailed information of package manifest.

The below table lists the top level directories and files that are created when you extract the e-CAM24_CUNX_JETSON_<L4T_version>_<release_date>_<release_version>.tar.gz release package.

Table 1: Package Manifest Directory Contents and its Description

Directory Contents	Description
Application/	Directory containing application source code and dependencies
Kernel/	Directory containing kernel patch files for e-CAM24_CUNX.
misc/	Directory containing miscellaneous files for Jetson Xavier NX™/Jetson Nano™.
e-CAM24_CUNX_<L4T_version>_<JP_VERSION>_JETSON-NANO-XAVIERNX_<release_version>.tar.gz	Compressed archive containing the required binaries for updating Jetson Xavier NX™/Jetson Nano™.
install_binaries.sh	Install script for installing pre-built kernel, application binaries and miscellaneous on the Jetson Xavier NX™/Jetson Nano™.
release_integrity.md5	Encrypted file containing the md5sum of the e-CAM24_CUNX archive.

Overview of Package Manifest Directory

This section provides detailed information about each directory of the release package.

Application

The below table lists the directories containing the application source code and dependencies required for e-CAM24_CUNX camera on the Jetson Xavier NX™/Jetson Nano™ development kit.

Table 2: Application Directory Contents and its Description

Directory Contents	Description
ecam_tk1_guvcview/Source/	Directory containing application related source code for Jetson Xavier NX™/Jetson Nano™.
ecam_tk1_guvcview/Source/ ecam_tk1_guvcview_dependency.tar.gz	Archive file containing application dependency for Jetson Xavier NX™/Jetson Nano™.
ecam_tk1_guvcview/Source/ e-CAM_TK1_guvcview-src-1.7.2.tar.gz	Archive file containing ecam_tk1_guvcview application source code for Jetson Xavier NX™/Jetson Nano™.

Kernel

The below table lists the kernel patch files required for e-CAM24_CUNX camera on the Jetson Xavier NX™/Jetson Nano™ development kit.

Table 3: Kernel Directory Contents and its Description

Directory Contents	Description
e-CAM24_CUNX_JETSON_XAVIER-NX_L4T32.6.1_kernel.patch	The patch file related to the default kernel for Jetson Xavier NX™ that adds support for e-CAM24_CUNX.
e-CAM24_CUNX_JETSON_XAVIER-NX_L4T32.6.1_dtb.patch	The patch file related to the default device tree for Jetson Xavier NX™ that adds support for e-CAM24_CUNX.
e-CAM24_CUNX_JETSON_XAVIER-NX_L4T32.6.1_module.patch	The patch file for e-con e-CAM24_CUNX sensor driver.
e-CAM24_CUNX_JETSON_NANO_L4T32.6.1_kernel.patch	The patch file related to the default kernel for Jetson Nano™ that adds support for e-CAM24_CUNX.
e-CAM24_CUNX_JETSON_NANO_L4T32.6.1_dtb.patch	The patch file related to the default device tree for Jetson Nano™ that adds support for e-CAM24_CUNX.

e-CAM24_CUNX_JETSON_NANO_L4T32.6.1_module.patch	The patch file related to the e-con e-CAM24_CUNX sensor driver
---	--

Misc

The following table lists the directories containing the miscellaneous files that are required to support e-CAM24_CUNX camera in Jetson Xavier NX™/Jetson Nano™ development kit.

Table 4: Misc Directory Contents and its Descriptions

Directory	Description
modules	Module file to load kernel modules at boot time.

Glossary

DTB: Device Tree Blob.

MIPI: Mobile Industry Processor Interface.

Rootfs: Root Filesystem.

Support

Contact Us

If you need any support on e-CAM24_CUNX 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	Description	Author
1.0	15-Dec-2020	Initial draft	Camera Dev Team
2.0	30-Dec-2020	NANO Support Added	Camera Dev Team
2.1	10-Mar-2021	Updated the misc folder	Camera Dev Team
2.2	05-July-2021	Updated to L4T32.5.1	Camera Dev Team
2.3	19-Aug-2021	Updated to L4T32.6.1	Camera Dev Team