intern@dse-MS-7D09:/home$ cd ~/Desktop
intern@dse-MS-7D09:~/Desktop$ python3 depth_viewer_pointcloud.py
[2025-05-30 07:42:45 UTC][ZED][INFO] Logging level INFO
[2025-05-30 07:42:45 UTC][ZED][WARNING] CAMERA STREAM FAILED TO START in sl::ERROR_CODE sl::Camera::open(sl::InitParameters)
CAMERA STREAM FAILED TO START
[2025-05-30 07:42:45 UTC][ZED][ERROR] [ZED] sl::Camera::Open has not been called, no Camera instance running.
[2025-05-30 07:42:45 UTC][ZED][ERROR] [ZED] sl::Camera::Open has not been called, no Camera instance running.
intern@dse-MS-7D09:~/Desktop$ lsusb
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 001 Device 002: ID 1462:7d09 Micro Star International MYSTIC LIGHT
Bus 001 Device 003: ID 05e3:0608 Genesys Logic, Inc. Hub
Bus 001 Device 004: ID 0424:2514 Microchip Technology, Inc. (formerly SMSC) USB 2.0 Hub
Bus 001 Device 005: ID 046d:c31c Logitech, Inc. Keyboard K120
Bus 001 Device 006: ID 05e3:0608 Genesys Logic, Inc. Hub
Bus 001 Device 007: ID 046d:c077 Logitech, Inc. Mouse
Bus 001 Device 008: ID 2b03:f881 STEREOLABS ZED-2i HID INTERFACE
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 002 Device 002: ID 2b03:f880 STEREOLABS ZED 2i
intern@dse-MS-7D09:~/Desktop$ python test_zed.py
[2025-05-30 07:44:21 UTC][ZED][INFO] Logging level INFO
Failed to open ZED camera
[2025-05-30 07:44:21 UTC][ZED][WARNING] CAMERA STREAM FAILED TO START in sl::ERROR_CODE sl::Camera::open(sl::InitParameters)
[2025-05-30 07:44:21 UTC][ZED][ERROR] [ZED] sl::Camera::Open has not been called, no Camera instance running.
[2025-05-30 07:44:21 UTC][ZED][ERROR] [ZED] sl::Camera::Open has not been called, no Camera instance running.
intern@dse-MS-7D09:~/Desktop$ ZED_SVO_Editor
You must provide arguments to this tools, here the list of them :

 -inf   Print SVO infos

 -cut   Cut a SVO and save the svo part between <s> and <e> to another svo.
                 -s or -e parameters must be specified.
                 -s or -e parameters must be specified.
                 -start-timestamp could be specified instead -s for cutting from a starting
timestamp.
                 -end-timestamp could be specified instead -e for cutting up to an ending
timestamp.

-merge   Add/Merge two or more SVO files into a single one.
                       SVO files must have the same resolution and same ZED Serial Number.

-cpr   Convert a SVO into another SVO compression format
                       -m parameter must be specified.

-m   Compression format to use with the -cpr option. m can be 0, 1, 2, 3, 4 , 5 or 6 for
respectively PNG (Lossless), ZSTD (Lossless), JPEG (Lossy), H264 Lossy, H265 Lossy, H264
LossLess and H265 LossLess based compressions.

-repair   Repair a SVO file by recreating a new SVO <svofilename_repaired.svo> with a
recovered index table.

-update-timestamp   Update the timestamp of all frames in a SVO video file based on a new
reference timestamp provided as input. The new reference timestamp must be specified through
to -ref argument. The reference timestamp must be in nanoseconds.
                       The timestamp of the first frame in the resulting SVO will be set to the specified
reference timestamp.

-export-to-mcap   Export the SVO2 data (image, imu, gnss, custom data) to a MCAP file
readable by foxglove.
                       Use --no_image_export for skip image export
                       Use --no_imu_export for skip imu export
                       Use --no_custom_export for skip custom data export (including GNSS)

Sample usage:
"ZED_SVO_Editor -inf svo1.svo"
"ZED_SVO_Editor -cut svo1.svo -s 100 -e 200 output.svo"
"ZED_SVO_Editor -cut svo1.svo -start-timestamp 1748587538902621440 -end-timestamp
1748591138902621496 output.svo"
"ZED_SVO_Editor -merge svo1.svo svo2.svo output.svo"
"ZED_SVO_Editor -cpr input.svo -m 2 output.svo"
"ZED_SVO_Editor -repair input.svo"
"ZED_SVO_Editor -update-timestamp input.svo -ref 1748591138902621496 output.svo"
"ZED_SVO_Editor -export-to-mcap input.svo"
intern@dse-MS-7D09:~/Desktop$ ZED_Sensor_Viewer
ZED_Sensor_Viewer: error while loading shared libraries: libcudart.so.12: cannot open shared
object file: No such file or directory
intern@dse-MS-7D09:~/Desktop$ ZED360
ZED360: error while loading shared libraries: libcudart.so.12: cannot open shared object file: No
such file or directory
intern@dse-MS-7D09:~/Desktop$ nvidia-smi
Fri May 30 13:16:32 2025
+---+

```
| NVIDIA-SMI 575.51.03           Driver Version: 575.51.03     CUDA Version: 12.9    |
|-----------------------------------------+----------------------+----------------------+
| GPU  Name               Persistence-M | Bus-Id         Disp.A | Volatile Uncorr. ECC |
| Fan  Temp   Perf          Pwr:Usage/Cap |          Memory-Usage | GPU-Util  Compute M. |
|                                         |                       |               MIG M. |
|=========================================+========================+======================|
|   0  NVIDIA GeForce RTX 3070      Off |   00000000:01:00.0  On |                  N/A |
| 41%  58C    P2           58W / 220W |   1402MiB /  8192MiB |    13%      Default |
|                                         |                       |                  N/A |
+-----------------------------------------+----------------------+----------------------+

+-----------------------------------------------------------------------------------+
| Processes:                                                                        |
|  GPU   GI   CI          PID   Type   Process name                      GPU Memory |
|        ID   ID                                                          Usage      |
|===================================================================================|
|    0   N/A  N/A        2676      G   /usr/lib/xorg/Xorg              275MiB |
|    0   N/A  N/A        2892      G   /usr/bin/gnome-shell             95MiB |
|    0   N/A  N/A        3685      G   .../6227/usr/lib/firefox/firefox       133MiB |
|    0   N/A  N/A        5997      G   ...ess --variations-seed-version      60MiB |
|    0   N/A  N/A        9322      G   /usr/bin/nautilus              77MiB |
|    0   N/A  N/A       14551      G   /usr/bin/gnome-control-center       11MiB |
|    0   N/A  N/A       16288    C+G   ZED_Depth_Viewer                646MiB |
+-----------------------------------------------------------------------------------+
intern@dse-MS-7D09:~/Desktop$ sudo apt update
wget
https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2004/x86_64/cuda-ubuntu2004.pin
sudo mv cuda-ubuntu2004.pin /etc/apt/preferences.d/cuda-repository-pin-600
wget
https://developer.download.nvidia.com/compute/cuda/12.1.0/local_installers/cuda-repo-ubuntu2004-12-1-local_12.1.0-530.30.02-1_amd64.deb
sudo dpkg -i cuda-repo-ubuntu2004-12-1-local_12.1.0-530.30.02-1_amd64.deb
sudo cp /var/cuda-repo-*/cuda-*-keyring.gpg /usr/share/keyrings/
sudo apt update
sudo apt install cuda
[sudo] password for intern:
Hit:1 https://brave-browser-apt-release.s3.brave.com stable InRelease
Hit:2 https://download.docker.com/linux/ubuntu noble InRelease
Hit:3 https://nvidia.github.io/libnvidia-container/experimental/deb/amd64  InRelease
Get:4 https://packages.microsoft.com/repos/vscode stable InRelease [3,594 B]
Get:5 https://packages.microsoft.com/repos/code stable InRelease [3,590 B]
```

Hit:6 http://in.archive.ubuntu.com/ubuntu noble InRelease
Get:7 https://packages.microsoft.com/repos/vscode stable/main amd64 Packages [26.9 kB]
Get:8 https://packages.microsoft.com/repos/code stable/main amd64 Packages [19.1 kB]
Get:9 https://packages.microsoft.com/repos/code stable/main armhf Packages [19.4 kB]
Get:10 https://packages.microsoft.com/repos/code stable/main arm64 Packages [19.3 kB]
Err:11 http://realsense-hw-public.s3.amazonaws.com/Debian/apt-repo noble InRelease
  403 Forbidden [IP: 52.92.0.97 80]
Hit:12 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:13 https://nvidia.github.io/libnvidia-container/experimental/ubuntu18.04/amd64 InRelease
Get:14 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Hit:15 https://nvidia.github.io/libnvidia-container/stable/ubuntu18.04/amd64 InRelease
Hit:16 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu noble InRelease
Hit:17 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:18 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
InRelease
Reading package lists... Done
N: See apt-secure(8) manpage for repository creation and user configuration details.
--2025-05-30 13:17:09--
https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2004/x86_64/cuda-ubuntu20
04.pin
Resolving developer.download.nvidia.com (developer.download.nvidia.com)... 184.86.248.56,
184.86.248.97
Connecting to developer.download.nvidia.com
(developer.download.nvidia.com)|184.86.248.56|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 190 [application/octet-stream]
Saving to: 'cuda-ubuntu2004.pin'

cuda-ubuntu2004.pin
100%[==
============================>]   190 --.-KB/s   in 0s

2025-05-30 13:17:12 (13.2 MB/s) - 'cuda-ubuntu2004.pin' saved [190/190]

--2025-05-30 13:17:12--
https://developer.download.nvidia.com/compute/cuda/12.1.0/local_installers/cuda-repo-ubuntu2
004-12-1-local_12.1.0-530.30.02-1_amd64.deb
Resolving developer.download.nvidia.com (developer.download.nvidia.com)... 184.86.248.56,
184.86.248.97
Connecting to developer.download.nvidia.com
(developer.download.nvidia.com)|184.86.248.56|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3162795290 (2.9G) [application/x-deb]
Saving to: 'cuda-repo-ubuntu2004-12-1-local_12.1.0-530.30.02-1_amd64.deb'

cuda-repo-ubuntu2004-12-1-local_12.1.0-530.30
100%[==
=============================>] 2.95G 1.30MB/s   in 10m 55s

2025-05-30 13:28:10 (4.60 MB/s) -
'cuda-repo-ubuntu2004-12-1-local_12.1.0-530.30.02-1_amd64.deb' saved
[3162795290/3162795290]

Selecting previously unselected package cuda-repo-ubuntu2004-12-1-local.
(Reading database ... 217769 files and directories currently installed.)
Preparing to unpack cuda-repo-ubuntu2004-12-1-local_12.1.0-530.30.02-1_amd64.deb ...
Unpacking cuda-repo-ubuntu2004-12-1-local (12.1.0-530.30.02-1) ...
Setting up cuda-repo-ubuntu2004-12-1-local (12.1.0-530.30.02-1) ...

The public cuda-repo-ubuntu2004-12-1-local GPG key does not appear to be installed.
To install the key, run this command:
sudo cp /var/cuda-repo-ubuntu2004-12-1-local/cuda-D8BCD751-keyring.gpg
/usr/share/keyrings/

Get:1 file:/var/cuda-repo-ubuntu2004-12-1-local InRelease [1,572 B]
Get:1 file:/var/cuda-repo-ubuntu2004-12-1-local InRelease [1,572 B]
Get:2 file:/var/cuda-repo-ubuntu2004-12-1-local Packages [35.0 kB]
Hit:3 https://download.docker.com/linux/ubuntu noble InRelease
Hit:4 https://brave-browser-apt-release.s3.brave.com stable InRelease
Hit:5 https://packages.microsoft.com/repos/vscode stable InRelease
Hit:6 https://packages.microsoft.com/repos/code stable InRelease
Err:7 http://realsense-hw-public.s3.amazonaws.com/Debian/apt-repo noble InRelease
  403 Forbidden [IP: 52.218.36.169 80]
Hit:8 https://nvidia.github.io/libnvidia-container/experimental/deb/amd64 InRelease
Hit:9 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:10 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:11 https://nvidia.github.io/libnvidia-container/experimental/ubuntu18.04/amd64 InRelease
Hit:12 https://nvidia.github.io/libnvidia-container/stable/ubuntu18.04/amd64 InRelease
Hit:13 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:14 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu noble InRelease
Hit:15 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:16 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
InRelease
Reading package lists... Done
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository
'https://brave-browser-apt-release.s3.brave.com stable InRelease' doesn't support architecture
'i386'

N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository
'https://packages.microsoft.com/repos/vscode stable InRelease' doesn't support architecture
'i386'
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  cuda-12-9 cuda-cccl-12-9 cuda-command-line-tools-12-9 cuda-compiler-12-9 cuda-crt-12-9
cuda-cudart-12-9 cuda-cudart-dev-12-9 cuda-cuobjdump-12-9 cuda-cupti-12-9
cuda-cupti-dev-12-9
  cuda-cuxxfilt-12-9 cuda-demo-suite-12-9 cuda-documentation-12-9 cuda-driver-dev-12-9
cuda-gdb-12-9 cuda-libraries-12-9 cuda-libraries-dev-12-9 cuda-nsight-12-9
  cuda-nsight-compute-12-9 cuda-nsight-systems-12-9 cuda-nvcc-12-9 cuda-nvdisasm-12-9
cuda-nvml-dev-12-9 cuda-nvprof-12-9 cuda-nvprune-12-9 cuda-nvrtc-12-9 cuda-nvrtc-dev-12-9
  cuda-nvtx-12-9 cuda-nvvm-12-9 cuda-nvvp-12-9 cuda-opencl-12-9 cuda-profiler-api-12-9
cuda-runtime-12-9 cuda-sandbox-dev-12-9 cuda-sanitizer-12-9 cuda-toolkit-12-9
  cuda-toolkit-12-9-config-common cuda-toolkit-12-config-common cuda-toolkit-config-common
cuda-tools-12-9 cuda-visual-tools-12-9 gds-tools-12-9 libcublas-12-9 libcublas-dev-12-9
  libcufft-12-9 libcufft-dev-12-9 libcufile-12-9 libcufile-dev-12-9 libcurand-12-9 libcurand-dev-12-9
libcusolver-12-9 libcusolver-dev-12-9 libcusparse-12-9 libcusparse-dev-12-9
  libnpp-12-9 libnpp-dev-12-9 libnvfatbin-12-9 libnvfatbin-dev-12-9 libnvjitlink-12-9
libnvjitlink-dev-12-9 libnvjpeg-12-9 libnvjpeg-dev-12-9 libxcb-cursor0 nsight-compute-2025.2.0
  nsight-systems-2025.1.3 nvidia-dkms-575-open nvidia-driver-575-open
nvidia-kernel-source-575-open nvidia-open
The following packages will be REMOVED:
  nvidia-dkms-575 nvidia-driver-575 nvidia-kernel-source-575
The following NEW packages will be installed:
  cuda cuda-12-9 cuda-cccl-12-9 cuda-command-line-tools-12-9 cuda-compiler-12-9
cuda-crt-12-9 cuda-cudart-12-9 cuda-cudart-dev-12-9 cuda-cuobjdump-12-9 cuda-cupti-12-9
  cuda-cupti-dev-12-9 cuda-cuxxfilt-12-9 cuda-demo-suite-12-9 cuda-documentation-12-9
cuda-driver-dev-12-9 cuda-gdb-12-9 cuda-libraries-12-9 cuda-libraries-dev-12-9
cuda-nsight-12-9
  cuda-nsight-compute-12-9 cuda-nsight-systems-12-9 cuda-nvcc-12-9 cuda-nvdisasm-12-9
cuda-nvml-dev-12-9 cuda-nvprof-12-9 cuda-nvprune-12-9 cuda-nvrtc-12-9 cuda-nvrtc-dev-12-9
  cuda-nvtx-12-9 cuda-nvvm-12-9 cuda-nvvp-12-9 cuda-opencl-12-9 cuda-profiler-api-12-9
cuda-runtime-12-9 cuda-sandbox-dev-12-9 cuda-sanitizer-12-9 cuda-toolkit-12-9
  cuda-toolkit-12-9-config-common cuda-toolkit-12-config-common cuda-toolkit-config-common
cuda-tools-12-9 cuda-visual-tools-12-9 gds-tools-12-9 libcublas-12-9 libcublas-dev-12-9
  libcufft-12-9 libcufft-dev-12-9 libcufile-12-9 libcufile-dev-12-9 libcurand-12-9 libcurand-dev-12-9
libcusolver-12-9 libcusolver-dev-12-9 libcusparse-12-9 libcusparse-dev-12-9
  libnpp-12-9 libnpp-dev-12-9 libnvfatbin-12-9 libnvfatbin-dev-12-9 libnvjitlink-12-9
libnvjitlink-dev-12-9 libnvjpeg-12-9 libnvjpeg-dev-12-9 libxcb-cursor0 nsight-compute-2025.2.0

nsight-systems-2025.1.3 nvidia-dkms-575-open nvidia-driver-575-open
nvidia-kernel-source-575-open nvidia-open
0 upgraded, 70 newly installed, 3 to remove and 11 not upgraded.
Need to get 3,890 MB/3,890 MB of archives.
After this operation, 8,890 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-toolkit-12-9-config-common 12.9.37-1 [16.5 kB]
Get:2 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-cudart-12-9 12.9.37-1 [173 kB]
Get:3 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-nvrtc-12-9 12.9.41-1 [63.0 MB]
Get:4 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-opencl-12-9 12.9.19-1 [23.9 kB]
Get:5 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcublas-12-9 12.9.0.13-1 [458 MB]
Get:6 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcufft-12-9 11.4.0.6-1 [158 MB]
Get:7 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcufile-12-9 1.14.0.30-1 [894 kB]
Get:8 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcurand-12-9 10.3.10.19-1 [45.4 MB]
Get:9 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcusolver-12-9 11.7.4.40-1 [200 MB]
Get:10 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcusparse-12-9 12.5.9.5-1 [207 MB]
Get:11 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnpp-12-9 12.4.0.27-1 [172 MB]
Get:12 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnvjitlink-12-9 12.9.41-1 [28.6 MB]
Get:13 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnvfatbin-12-9 12.9.19-1 [749 kB]
Get:14 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnvjpeg-12-9 12.4.0.16-1 [3,372 kB]
Get:15 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-libraries-12-9 12.9.0-1 [2,606 B]
Get:16 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-runtime-12-9 12.9.0-1 [2,510 B]
Get:17 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-cuobjdump-12-9 12.9.26-1 [219 kB]
Get:18 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-cuxxfilt-12-9 12.9.19-1 [191 kB]
Get:19 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-cccl-12-9 12.9.27-1 [1,040 kB]

Get:20 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-driver-dev-12-9 12.9.37-1 [29.2 kB]
Get:21 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-cudart-dev-12-9 12.9.37-1 [1,416 kB]
Get:22 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-nvvm-12-9 12.9.41-1 [43.1 MB]
Get:23 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-crt-12-9 12.9.41-1 [81.4 kB]
Get:24 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-nvcc-12-9 12.9.41-1 [38.7 MB]
Get:25 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-nvprune-12-9 12.9.19-1 [62.0 kB]
Get:26 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-compiler-12-9 12.9.0-1 [2,506 B]
Get:27 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-profiler-api-12-9 12.9.19-1 [18.6 kB]
Get:28 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-nvrtc-dev-12-9 12.9.41-1 [51.9 MB]
Get:29 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-sandbox-dev-12-9 12.9.19-1 [31.7 kB]
Get:30 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcublas-dev-12-9 12.9.0.13-1 [483 MB]
Get:31 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcufft-dev-12-9 11.4.0.6-1 [316 MB]
Get:32 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcufile-dev-12-9 1.14.0.30-1 [2,711 kB]
Get:33 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcurand-dev-12-9 10.3.10.19-1 [45.6 MB]
Get:34 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcusolver-dev-12-9 11.7.4.40-1 [129 MB]
Get:35 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libcusparse-dev-12-9 12.5.9.5-1 [206 MB]
Get:36 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnpp-dev-12-9 12.4.0.27-1 [167 MB]
Get:37 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnvjitlink-dev-12-9 12.9.41-1 [25.8 MB]
Get:38 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnvfatbin-dev-12-9 12.9.19-1 [627 kB]
Get:39 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
libnvjpeg-dev-12-9 12.4.0.16-1 [3,079 kB]
Get:40 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-libraries-dev-12-9 12.9.0-1 [2,658 B]
Get:41 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
cuda-cupti-12-9 12.9.19-1 [12.7 MB]

Get:42 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-cupti-dev-12-9 12.9.19-1 [4,083 kB]
Get:43 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nvdisasm-12-9 12.9.19-1 [5,481 kB]
Get:44 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-gdb-12-9 12.9.19-1 [26.3 MB]
Get:45 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nvprof-12-9 12.9.19-1 [2,399 kB]
Get:46 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nvtx-12-9 12.9.19-1 [67.2 kB]
Get:47 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-sanitizer-12-9 12.9.27-1 [10.0 MB]
Get:48 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-command-line-tools-12-9 12.9.0-1 [2,542 B]
Get:49 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 nsight-compute-2025.2.0 2025.2.0.11-1 [296 MB]
Get:50 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nsight-compute-12-9 12.9.0-1 [4,056 B]
Get:51 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 nsight-systems-2025.1.3 2025.1.3.140-251335620677v0 [400 MB]
Get:52 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nsight-systems-12-9 12.9.0-1 [3,344 B]
Get:53 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nsight-12-9 12.9.19-1 [119 MB]
Get:54 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nvml-dev-12-9 12.9.40-1 [132 kB]
Get:55 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-nvvp-12-9 12.9.19-1 [113 MB]
Get:56 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-visual-tools-12-9 12.9.0-1 [2,938 B]
Get:57 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 gds-tools-12-9 1.14.0.30-1 [39.0 MB]
Get:58 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-tools-12-9 12.9.0-1 [2,466 B]
Get:59 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-documentation-12-9 12.9.43-1 [50.2 kB]
Get:60 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-toolkit-12-9 12.9.0-1 [3,364 B]
Get:61 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-demo-suite-12-9 12.9.19-1 [4,027 kB]
Get:62 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda-12-9 12.9.0-1 [2,518 B]
Get:63 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 nvidia-kernel-source-575-open 575.51.03-0ubuntu1 [6,481 kB]

Get:64 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
nvidia-dkms-575-open 575.51.03-0ubuntu1 [14.8 kB]
Get:65 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
nvidia-driver-575-open 575.51.03-0ubuntu1 [12.2 kB]
Get:66 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64
nvidia-open 575.51.03-0ubuntu1 [2,538 B]
Get:67 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2404/x86_64 cuda
12.9.0-1 [2,490 B]
Fetched 3,890 MB in 21min 18s (3,044 kB/s)
Extracting templates from packages: 100%
(Reading database ... 217909 files and directories currently installed.)
Removing nvidia-driver-575 (575.51.03-0ubuntu1) ...
Removing nvidia-dkms-575 (575.51.03-0ubuntu1) ...
Removing all DKMS Modules
Done.
INFO:Disable nvidia
DEBUG:Parsing /usr/share/ubuntu-drivers-common/quirks/dell_latitude
DEBUG:Parsing /usr/share/ubuntu-drivers-common/quirks/lenovo_thinkpad
DEBUG:Parsing /usr/share/ubuntu-drivers-common/quirks/put_your_quirks_here
update-initramfs: deferring update (trigger activated)
Removing nvidia-kernel-source-575 (575.51.03-0ubuntu1) ...
Selecting previously unselected package cuda-toolkit-config-common.
(Reading database ... 217332 files and directories currently installed.)
Preparing to unpack .../00-cuda-toolkit-config-common_12.9.37-1_all.deb ...
Unpacking cuda-toolkit-config-common (12.9.37-1) ...
Selecting previously unselected package cuda-toolkit-12-config-common.
Preparing to unpack .../01-cuda-toolkit-12-config-common_12.9.37-1_all.deb ...
Unpacking cuda-toolkit-12-config-common (12.9.37-1) ...
Selecting previously unselected package cuda-toolkit-12-9-config-common.
Preparing to unpack .../02-cuda-toolkit-12-9-config-common_12.9.37-1_all.deb ...
Unpacking cuda-toolkit-12-9-config-common (12.9.37-1) ...
Selecting previously unselected package cuda-cudart-12-9.
Preparing to unpack .../03-cuda-cudart-12-9_12.9.37-1_amd64.deb ...
Unpacking cuda-cudart-12-9 (12.9.37-1) ...
Selecting previously unselected package cuda-nvrtc-12-9.
Preparing to unpack .../04-cuda-nvrtc-12-9_12.9.41-1_amd64.deb ...
Unpacking cuda-nvrtc-12-9 (12.9.41-1) ...
Selecting previously unselected package cuda-opencl-12-9.
Preparing to unpack .../05-cuda-opencl-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-opencl-12-9 (12.9.19-1) ...
Selecting previously unselected package libcublas-12-9.
Preparing to unpack .../06-libcublas-12-9_12.9.0.13-1_amd64.deb ...
Unpacking libcublas-12-9 (12.9.0.13-1) ...
Selecting previously unselected package libcufft-12-9.

Preparing to unpack .../07-libcufft-12-9_11.4.0.6-1_amd64.deb ...
Unpacking libcufft-12-9 (11.4.0.6-1) ...
Selecting previously unselected package libcufile-12-9.
Preparing to unpack .../08-libcufile-12-9_1.14.0.30-1_amd64.deb ...
Unpacking libcufile-12-9 (1.14.0.30-1) ...
Selecting previously unselected package libcurand-12-9.
Preparing to unpack .../09-libcurand-12-9_10.3.10.19-1_amd64.deb ...
Unpacking libcurand-12-9 (10.3.10.19-1) ...
Selecting previously unselected package libcusolver-12-9.
Preparing to unpack .../10-libcusolver-12-9_11.7.4.40-1_amd64.deb ...
Unpacking libcusolver-12-9 (11.7.4.40-1) ...
Selecting previously unselected package libcusparse-12-9.
Preparing to unpack .../11-libcusparse-12-9_12.5.9.5-1_amd64.deb ...
Unpacking libcusparse-12-9 (12.5.9.5-1) ...
Selecting previously unselected package libnpp-12-9.
Preparing to unpack .../12-libnpp-12-9_12.4.0.27-1_amd64.deb ...
Unpacking libnpp-12-9 (12.4.0.27-1) ...
Selecting previously unselected package libnvjitlink-12-9.
Preparing to unpack .../13-libnvjitlink-12-9_12.9.41-1_amd64.deb ...
Unpacking libnvjitlink-12-9 (12.9.41-1) ...
Selecting previously unselected package libnvfatbin-12-9.
Preparing to unpack .../14-libnvfatbin-12-9_12.9.19-1_amd64.deb ...
Unpacking libnvfatbin-12-9 (12.9.19-1) ...
Selecting previously unselected package libnvjpeg-12-9.
Preparing to unpack .../15-libnvjpeg-12-9_12.4.0.16-1_amd64.deb ...
Unpacking libnvjpeg-12-9 (12.4.0.16-1) ...
Selecting previously unselected package cuda-libraries-12-9.
Preparing to unpack .../16-cuda-libraries-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-libraries-12-9 (12.9.0-1) ...
Selecting previously unselected package cuda-runtime-12-9.
Preparing to unpack .../17-cuda-runtime-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-runtime-12-9 (12.9.0-1) ...
Selecting previously unselected package cuda-cuobjdump-12-9.
Preparing to unpack .../18-cuda-cuobjdump-12-9_12.9.26-1_amd64.deb ...
Unpacking cuda-cuobjdump-12-9 (12.9.26-1) ...
Selecting previously unselected package cuda-cuxxfilt-12-9.
Preparing to unpack .../19-cuda-cuxxfilt-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-cuxxfilt-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-cccl-12-9.
Preparing to unpack .../20-cuda-cccl-12-9_12.9.27-1_amd64.deb ...
Unpacking cuda-cccl-12-9 (12.9.27-1) ...
Selecting previously unselected package cuda-driver-dev-12-9.
Preparing to unpack .../21-cuda-driver-dev-12-9_12.9.37-1_amd64.deb ...
Unpacking cuda-driver-dev-12-9 (12.9.37-1) ...

Selecting previously unselected package cuda-cudart-dev-12-9.
Preparing to unpack .../22-cuda-cudart-dev-12-9_12.9.37-1_amd64.deb ...
Unpacking cuda-cudart-dev-12-9 (12.9.37-1) ...
Selecting previously unselected package cuda-nvvm-12-9.
Preparing to unpack .../23-cuda-nvvm-12-9_12.9.41-1_amd64.deb ...
Unpacking cuda-nvvm-12-9 (12.9.41-1) ...
Selecting previously unselected package cuda-crt-12-9.
Preparing to unpack .../24-cuda-crt-12-9_12.9.41-1_amd64.deb ...
Unpacking cuda-crt-12-9 (12.9.41-1) ...
Selecting previously unselected package cuda-nvcc-12-9.
Preparing to unpack .../25-cuda-nvcc-12-9_12.9.41-1_amd64.deb ...
Unpacking cuda-nvcc-12-9 (12.9.41-1) ...
Selecting previously unselected package cuda-nvprune-12-9.
Preparing to unpack .../26-cuda-nvprune-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-nvprune-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-compiler-12-9.
Preparing to unpack .../27-cuda-compiler-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-compiler-12-9 (12.9.0-1) ...
Selecting previously unselected package cuda-profiler-api-12-9.
Preparing to unpack .../28-cuda-profiler-api-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-profiler-api-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-nvrtc-dev-12-9.
Preparing to unpack .../29-cuda-nvrtc-dev-12-9_12.9.41-1_amd64.deb ...
Unpacking cuda-nvrtc-dev-12-9 (12.9.41-1) ...
Selecting previously unselected package cuda-sandbox-dev-12-9.
Preparing to unpack .../30-cuda-sandbox-dev-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-sandbox-dev-12-9 (12.9.19-1) ...
Selecting previously unselected package libcublas-dev-12-9.
Preparing to unpack .../31-libcublas-dev-12-9_12.9.0.13-1_amd64.deb ...
Unpacking libcublas-dev-12-9 (12.9.0.13-1) ...
Selecting previously unselected package libcufft-dev-12-9.
Preparing to unpack .../32-libcufft-dev-12-9_11.4.0.6-1_amd64.deb ...
Unpacking libcufft-dev-12-9 (11.4.0.6-1) ...
Selecting previously unselected package libcufile-dev-12-9.
Preparing to unpack .../33-libcufile-dev-12-9_1.14.0.30-1_amd64.deb ...
Unpacking libcufile-dev-12-9 (1.14.0.30-1) ...
Selecting previously unselected package libcurand-dev-12-9.
Preparing to unpack .../34-libcurand-dev-12-9_10.3.10.19-1_amd64.deb ...
Unpacking libcurand-dev-12-9 (10.3.10.19-1) ...
Selecting previously unselected package libcusolver-dev-12-9.
Preparing to unpack .../35-libcusolver-dev-12-9_11.7.4.40-1_amd64.deb ...
Unpacking libcusolver-dev-12-9 (11.7.4.40-1) ...
Selecting previously unselected package libcusparse-dev-12-9.
Preparing to unpack .../36-libcusparse-dev-12-9_12.5.9.5-1_amd64.deb ...

Unpacking libcusparse-dev-12-9 (12.5.9.5-1) ...
Selecting previously unselected package libnpp-dev-12-9.
Preparing to unpack .../37-libnpp-dev-12-9_12.4.0.27-1_amd64.deb ...
Unpacking libnpp-dev-12-9 (12.4.0.27-1) ...
Selecting previously unselected package libnvjitlink-dev-12-9.
Preparing to unpack .../38-libnvjitlink-dev-12-9_12.9.41-1_amd64.deb ...
Unpacking libnvjitlink-dev-12-9 (12.9.41-1) ...
Selecting previously unselected package libnvfatbin-dev-12-9.
Preparing to unpack .../39-libnvfatbin-dev-12-9_12.9.19-1_amd64.deb ...
Unpacking libnvfatbin-dev-12-9 (12.9.19-1) ...
Selecting previously unselected package libnvjpeg-dev-12-9.
Preparing to unpack .../40-libnvjpeg-dev-12-9_12.4.0.16-1_amd64.deb ...
Unpacking libnvjpeg-dev-12-9 (12.4.0.16-1) ...
Selecting previously unselected package cuda-libraries-dev-12-9.
Preparing to unpack .../41-cuda-libraries-dev-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-libraries-dev-12-9 (12.9.0-1) ...
Selecting previously unselected package cuda-cupti-12-9.
Preparing to unpack .../42-cuda-cupti-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-cupti-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-cupti-dev-12-9.
Preparing to unpack .../43-cuda-cupti-dev-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-cupti-dev-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-nvdisasm-12-9.
Preparing to unpack .../44-cuda-nvdisasm-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-nvdisasm-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-gdb-12-9.
Preparing to unpack .../45-cuda-gdb-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-gdb-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-nvprof-12-9.
Preparing to unpack .../46-cuda-nvprof-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-nvprof-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-nvtx-12-9.
Preparing to unpack .../47-cuda-nvtx-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-nvtx-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-sanitizer-12-9.
Preparing to unpack .../48-cuda-sanitizer-12-9_12.9.27-1_amd64.deb ...
Unpacking cuda-sanitizer-12-9 (12.9.27-1) ...
Selecting previously unselected package cuda-command-line-tools-12-9.
Preparing to unpack .../49-cuda-command-line-tools-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-command-line-tools-12-9 (12.9.0-1) ...
Selecting previously unselected package nsight-compute-2025.2.0.
Preparing to unpack .../50-nsight-compute-2025.2.0_2025.2.0.11-1_amd64.deb ...
Unpacking nsight-compute-2025.2.0 (2025.2.0.11-1) ...
Selecting previously unselected package cuda-nsight-compute-12-9.

Preparing to unpack .../51-cuda-nsight-compute-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-nsight-compute-12-9 (12.9.0-1) ...
Selecting previously unselected package libxcb-cursor0:amd64.
Preparing to unpack .../52-libxcb-cursor0_0.1.4-1build1_amd64.deb ...
Unpacking libxcb-cursor0:amd64 (0.1.4-1build1) ...
Selecting previously unselected package nsight-systems-2025.1.3.
Preparing to unpack
.../53-nsight-systems-2025.1.3_2025.1.3.140-251335620677v0_amd64.deb ...
Unpacking nsight-systems-2025.1.3 (2025.1.3.140-251335620677v0) ...
Selecting previously unselected package cuda-nsight-systems-12-9.
Preparing to unpack .../54-cuda-nsight-systems-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-nsight-systems-12-9 (12.9.0-1) ...
Selecting previously unselected package cuda-nsight-12-9.
Preparing to unpack .../55-cuda-nsight-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-nsight-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-nvml-dev-12-9.
Preparing to unpack .../56-cuda-nvml-dev-12-9_12.9.40-1_amd64.deb ...
Unpacking cuda-nvml-dev-12-9 (12.9.40-1) ...
Selecting previously unselected package cuda-nvvp-12-9.
Preparing to unpack .../57-cuda-nvvp-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-nvvp-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-visual-tools-12-9.
Preparing to unpack .../58-cuda-visual-tools-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-visual-tools-12-9 (12.9.0-1) ...
Selecting previously unselected package gds-tools-12-9.
Preparing to unpack .../59-gds-tools-12-9_1.14.0.30-1_amd64.deb ...
Unpacking gds-tools-12-9 (1.14.0.30-1) ...
Selecting previously unselected package cuda-tools-12-9.
Preparing to unpack .../60-cuda-tools-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-tools-12-9 (12.9.0-1) ...
Selecting previously unselected package cuda-documentation-12-9.
Preparing to unpack .../61-cuda-documentation-12-9_12.9.43-1_amd64.deb ...
Unpacking cuda-documentation-12-9 (12.9.43-1) ...
Selecting previously unselected package cuda-toolkit-12-9.
Preparing to unpack .../62-cuda-toolkit-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-toolkit-12-9 (12.9.0-1) ...
Selecting previously unselected package cuda-demo-suite-12-9.
Preparing to unpack .../63-cuda-demo-suite-12-9_12.9.19-1_amd64.deb ...
Unpacking cuda-demo-suite-12-9 (12.9.19-1) ...
Selecting previously unselected package cuda-12-9.
Preparing to unpack .../64-cuda-12-9_12.9.0-1_amd64.deb ...
Unpacking cuda-12-9 (12.9.0-1) ...
Selecting previously unselected package nvidia-kernel-source-575-open.
Preparing to unpack .../65-nvidia-kernel-source-575-open_575.51.03-0ubuntu1_amd64.deb ...

Unpacking nvidia-kernel-source-575-open (575.51.03-0ubuntu1) ...
Selecting previously unselected package nvidia-dkms-575-open.
Preparing to unpack .../66-nvidia-dkms-575-open_575.51.03-0ubuntu1_amd64.deb ...
Unpacking nvidia-dkms-575-open (575.51.03-0ubuntu1) ...
Selecting previously unselected package nvidia-driver-575-open.
Preparing to unpack .../67-nvidia-driver-575-open_575.51.03-0ubuntu1_amd64.deb ...
Unpacking nvidia-driver-575-open (575.51.03-0ubuntu1) ...
Selecting previously unselected package nvidia-open.
Preparing to unpack .../68-nvidia-open_575.51.03-0ubuntu1_amd64.deb ...
Unpacking nvidia-open (575.51.03-0ubuntu1) ...
Selecting previously unselected package cuda.
Preparing to unpack .../69-cuda_12.9.0-1_amd64.deb ...
Unpacking cuda (12.9.0-1) ...
Setting up nsight-compute-2025.2.0 (2025.2.0.11-1) ...
Setting up cuda-toolkit-config-common (12.9.37-1) ...
Setting up gds-tools-12-9 (1.14.0.30-1) ...
Setting up cuda-cuobjdump-12-9 (12.9.26-1) ...
Setting up cuda-nvrtc-12-9 (12.9.41-1) ...
Setting up cuda-sanitizer-12-9 (12.9.27-1) ...
Setting up cuda-nvvm-12-9 (12.9.41-1) ...
Setting up nvidia-kernel-source-575-open (575.51.03-0ubuntu1) ...
Setting up cuda-cupti-12-9 (12.9.19-1) ...
Setting up cuda-nvml-dev-12-9 (12.9.40-1) ...
Setting up cuda-nvprune-12-9 (12.9.19-1) ...
Setting up cuda-sandbox-dev-12-9 (12.9.19-1) ...
Setting up cuda-nvrtc-dev-12-9 (12.9.41-1) ...
Setting up cuda-toolkit-12-9-config-common (12.9.37-1) ...
Setting alternatives
update-alternatives: using /usr/local/cuda-12.9 to provide /usr/local/cuda (cuda) in auto mode
update-alternatives: using /usr/local/cuda-12.9 to provide /usr/local/cuda-12 (cuda-12) in auto mode
Setting up cuda-driver-dev-12-9 (12.9.37-1) ...
Setting up cuda-documentation-12-9 (12.9.43-1) ...
Setting up cuda-nvvp-12-9 (12.9.19-1) ...
Setting up libxcb-cursor0:amd64 (0.1.4-1build1) ...
Setting up cuda-nvdisasm-12-9 (12.9.19-1) ...
Setting up cuda-profiler-api-12-9 (12.9.19-1) ...
Setting up cuda-nsight-compute-12-9 (12.9.0-1) ...
Setting up cuda-cuxxfilt-12-9 (12.9.19-1) ...
Setting up cuda-cccl-12-9 (12.9.27-1) ...
Setting up cuda-cupti-dev-12-9 (12.9.19-1) ...
Setting up cuda-nvtx-12-9 (12.9.19-1) ...
Setting up cuda-nsight-12-9 (12.9.19-1) ...
Setting up cuda-toolkit-12-config-common (12.9.37-1) ...

Setting up cuda-nvprof-12-9 (12.9.19-1) ...
Setting up libcufft-12-9 (11.4.0.6-1) ...
Setting up nvidia-dkms-575-open (575.51.03-0ubuntu1) ...
update-initramfs: deferring update (trigger activated)
INFO:Enable nvidia
DEBUG:Parsing /usr/share/ubuntu-drivers-common/quirks/dell_latitude
DEBUG:Parsing /usr/share/ubuntu-drivers-common/quirks/lenovo_thinkpad
DEBUG:Parsing /usr/share/ubuntu-drivers-common/quirks/put_your_quirks_here
Loading new nvidia/575.51.03 DKMS files...
Deprecated feature: CLEAN (/usr/src/nvidia-575.51.03/dkms.conf)
Building for 6.8.0-59-generic and 6.8.0-60-generic
Building for architecture x86_64

Building initial module nvidia/575.51.03 for 6.8.0-59-generic
Deprecated feature: CLEAN (/var/lib/dkms/nvidia/575.51.03/source/dkms.conf)
Sign command: /usr/bin/kmodsign
Signing key: /var/lib/shim-signed/mok/MOK.priv
Public certificate (MOK): /var/lib/shim-signed/mok/MOK.der

Building module(s)........... done.
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-modeset.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-drm.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-uvm.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-peermem.ko
Deprecated feature: CLEAN (/var/lib/dkms/nvidia/575.51.03/source/dkms.conf)
Installing /lib/modules/6.8.0-59-generic/updates/dkms/nvidia.ko.zst
Installing /lib/modules/6.8.0-59-generic/updates/dkms/nvidia-modeset.ko.zst
Installing /lib/modules/6.8.0-59-generic/updates/dkms/nvidia-drm.ko.zst
Installing /lib/modules/6.8.0-59-generic/updates/dkms/nvidia-uvm.ko.zst
Installing /lib/modules/6.8.0-59-generic/updates/dkms/nvidia-peermem.ko.zst
Running depmod... done.

Building initial module nvidia/575.51.03 for 6.8.0-60-generic
Deprecated feature: CLEAN (/var/lib/dkms/nvidia/575.51.03/source/dkms.conf)
Sign command: /usr/bin/kmodsign
Signing key: /var/lib/shim-signed/mok/MOK.priv
Public certificate (MOK): /var/lib/shim-signed/mok/MOK.der

Building module(s)........... done.
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-modeset.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-drm.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-uvm.ko

Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-peermem.ko
Deprecated feature: CLEAN (/var/lib/dkms/nvidia/575.51.03/source/dkms.conf)
Installing /lib/modules/6.8.0-60-generic/updates/dkms/nvidia.ko.zst
Installing /lib/modules/6.8.0-60-generic/updates/dkms/nvidia-modeset.ko.zst
Installing /lib/modules/6.8.0-60-generic/updates/dkms/nvidia-drm.ko.zst
Installing /lib/modules/6.8.0-60-generic/updates/dkms/nvidia-uvm.ko.zst
Installing /lib/modules/6.8.0-60-generic/updates/dkms/nvidia-peermem.ko.zst
Running depmod... done.
Setting up libcublas-12-9 (12.9.0.13-1) ...
Setting up libcusparse-12-9 (12.5.9.5-1) ...
Setting up nsight-systems-2025.1.3 (2025.1.3.140-251335620677v0) ...
update-alternatives: using /opt/nvidia/nsight-systems/2025.1.3/target-linux-x64/nsys to provide
/usr/local/bin/nsys (nsys) in auto mode
update-alternatives: using /opt/nvidia/nsight-systems/2025.1.3/host-linux-x64/nsys-ui to provide
/usr/local/bin/nsys-ui (nsys-ui) in auto mode
Setting up libcufft-dev-12-9 (11.4.0.6-1) ...
Setting up libnpp-12-9 (12.4.0.27-1) ...
Setting up libnpp-dev-12-9 (12.4.0.27-1) ...
Setting up libnvjitlink-12-9 (12.9.41-1) ...
Setting up cuda-opencl-12-9 (12.9.19-1) ...
Setting up libcurand-12-9 (10.3.10.19-1) ...
Setting up cuda-gdb-12-9 (12.9.19-1) ...
Setting up libnvfatbin-12-9 (12.9.19-1) ...
Setting up libnvjitlink-dev-12-9 (12.9.41-1) ...
Setting up libnvjpeg-12-9 (12.4.0.16-1) ...
Setting up nvidia-driver-575-open (575.51.03-0ubuntu1) ...
Setting up libcusolver-12-9 (11.7.4.40-1) ...
Setting up libcufile-12-9 (1.14.0.30-1) ...
Setting alternatives
update-alternatives: using /usr/local/cuda-12.9/gds/cufile.json to provide /etc/cufile.json
(cufile.json) in auto mode
Setting up libcusparse-dev-12-9 (12.5.9.5-1) ...
Setting up cuda-nsight-systems-12-9 (12.9.0-1) ...
Setting up libnvfatbin-dev-12-9 (12.9.19-1) ...
Setting up libcurand-dev-12-9 (10.3.10.19-1) ...
Setting up libcusolver-dev-12-9 (11.7.4.40-1) ...
Setting up libcublas-dev-12-9 (12.9.0.13-1) ...
Setting up cuda-cudart-12-9 (12.9.37-1) ...
Setting up cuda-cudart-dev-12-9 (12.9.37-1) ...
Setting up cuda-crt-12-9 (12.9.41-1) ...
Setting up cuda-nvcc-12-9 (12.9.41-1) ...
Setting up libnvjpeg-dev-12-9 (12.4.0.16-1) ...
Setting up libcufile-dev-12-9 (1.14.0.30-1) ...
Setting up cuda-command-line-tools-12-9 (12.9.0-1) ...

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Setting up cuda-compiler-12-9 (12.9.0-1) ...
Setting up cuda-libraries-dev-12-9 (12.9.0-1) ...
Setting up cuda-libraries-12-9 (12.9.0-1) ...
Setting up nvidia-open (575.51.03-0ubuntu1) ...
Setting up cuda-runtime-12-9 (12.9.0-1) ...
Setting up cuda-visual-tools-12-9 (12.9.0-1) ...
Setting up cuda-demo-suite-12-9 (12.9.19-1) ...
Setting up cuda-tools-12-9 (12.9.0-1) ...
Setting up cuda-toolkit-12-9 (12.9.0-1) ...
Setting up cuda-12-9 (12.9.0-1) ...
Setting up cuda (12.9.0-1) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Processing triggers for desktop-file-utils (0.27-2build1) ...
Processing triggers for initramfs-tools (0.142ubuntu25.5) ...
update-initramfs: Generating /boot/initrd.img-6.8.0-60-generic
Processing triggers for gnome-menus (3.36.0-1.1ubuntu3) ...
intern@dse-MS-7D09:~/Desktop$ export
LD_LIBRARY_PATH=/usr/local/cuda/lib64:$LD_LIBRARY_PATH
export PATH=/usr/local/cuda/bin:$PATH
intern@dse-MS-7D09:~/Desktop$ source ~/.bashrc
intern@dse-MS-7D09:~/Desktop$ nvcc --version
ls /usr/local/cuda/lib64/libcudart.so*
nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005-2025 NVIDIA Corporation
Built on Wed_Apr__9_19:24:57_PDT_2025
Cuda compilation tools, release 12.9, V12.9.41
Build cuda_12.9.r12.9/compiler.35813241_0
/usr/local/cuda/lib64/libcudart.so  /usr/local/cuda/lib64/libcudart.so.12
/usr/local/cuda/lib64/libcudart.so.12.9.37
intern@dse-MS-7D09:~/Desktop$ ZED_Sensor_Viewer
[2025-05-30 09:24:46 UTC][ZED][INFO] Logging level INFO
[2025-05-30 09:24:47 UTC][ZED][INFO] [Init]  Depth mode: NONE
[2025-05-30 09:24:47 UTC][ZED][INFO] [Init]  Camera successfully opened.
[2025-05-30 09:24:47 UTC][ZED][INFO] [Init]  Camera FW version: 1523
[2025-05-30 09:24:47 UTC][ZED][INFO] [Init]  Video mode: VGA@100
[2025-05-30 09:24:47 UTC][ZED][INFO] [Init]  Serial Number: S/N 34675081
[2025-05-30 09:24:47 UTC][ZED][WARNING] [Init]  Self-calibration skipped. Scene may be
occluded or lack texture. (Error code: 0x01)
intern@dse-MS-7D09:~/Desktop$ export
LD_LIBRARY_PATH=/usr/lib/x86_64-linux-gnu:$LD_LIBRARY_PATH
intern@dse-MS-7D09:~/Desktop$ ZED_Depth_Viewer
[2025-05-30 09:31:25 UTC][ZED][INFO] Logging level INFO
[2025-05-30 09:31:25 UTC][ZED][INFO] Using USB input... Switched to default resolution
HD720
```

[2025-05-30 09:31:25 UTC][ZED][INFO] [Init] Depth mode: NEURAL
[2025-05-30 09:31:26 UTC][ZED][INFO] [Init] Camera successfully opened.
[2025-05-30 09:31:26 UTC][ZED][INFO] [Init] Camera FW version: 1523
[2025-05-30 09:31:26 UTC][ZED][INFO] [Init] Video mode: HD720@30
[2025-05-30 09:31:26 UTC][ZED][INFO] [Init] Serial Number: S/N 34675081
[2025-05-30 09:31:26 UTC][ZED][WARNING] [Init] Requested depth_minimum_distance:
0.3METER is too close, clamped to 0.4METER.