```
source Image
https://joshua-riek.github.io/ubuntu-rockchip-download/boards/orangepi-
5-plus.html

✓ STEP 1: Make sure MPP is installed and /dev/mpp* exists

Run this to see if MPP is active:
lsmod | grep mpp
If nothing is returned, then load the modules manually:
sudo modprobe mpp rkvdec
sudo modprobe mpp rkvenc
sudo modprobe mpp vepu
Then check for:
ls /dev/mpp*
If /dev/mpp service or /dev/mpp* appears, you're good.
If not:
You may need to recompile or install the kernel drivers or ensure that
rockchip-mpp is installed correctly and matched to your kernel.

✓ STEP 2: Compile FFmpeg with Rockchip MPP

Ubuntu packages do not include rkmpp support by default. You'll need to
compile FFmpeg manually with Rockchip MPP support.
Example FFmpeg build (with rkmpp):
sudo apt install -y \
git clone https://git.ffmpeg.org/ffmpeg.git ffmpeg
cd ffmpeg
```

```
./configure \
--enable-nonfree \
--enable-libx264 \
make -j$(nproc)
sudo make install
Ensure that librockchip-mpp-dev and the MPP user-space libraries are
installed (you may need to build mpp and rkmpp-ffmpeg from source for
full support).
STEP 3: Verify rkmpp availability
After installing:
ffmpeg -encoders | grep rkmpp
ffmpeg -decoders | grep rkmpp
And /dev/mpp service or similar must be present and accessible.
Optional: Test encoding
Example test command:
ffmpeg -i input.mp4 -c:v h264_rkmpp -b:v 2M -y output.mp4
```