

# Capturing in Wide-Angle with the OAK-D Pro camera

If you haven't already, please complete all the prerequisites outlined in our [introduction to the OAK-D Pro camera](#) before starting this tutorial. Refer to the guide to set up the **OAK Device CHOP** and **OAK Select TOP** components.

In this tutorial, we'll program the camera to generate a wide-angle image using its vision system. To do this, replace the script in the **Text DAT** with the following code:

```
import depthai as dai

def onInitialize(oakDeviceOp, callCount):
    return 0

def onInitializeFail(oakDeviceOp):
    parent().addScriptError(oakDeviceOp.scriptErrors())
    return

def onReady(oakDeviceOp):
    return
    []

def onStart(oakDeviceOp):
    return

def whileRunning(oakDeviceOp):
    return

def onDone(oakDeviceOp):
    return

def createPipeline(oakDeviceOp):
    pipeline = dai.Pipeline()
    cam = pipeline.create(dai.node.ColorCamera)
    xoutIsp = pipeline.create(dai.node.XLinkOut)
    xoutPrev = pipeline.create(dai.node.XLinkOut)
    xoutIsp.setStreamName('isp')
```

```

xoutPrev.setStreamName('preview')

cam.setResolution(dai.ColorCameraProperties.SensorResolution.THE_12_MP)
cam.setInterleaved(False)
cam.setLspScale(1, 2)
cam.setPreviewKeepAspectRatio(False)
cam.setPreviewSize(1280, 720) # or any desired preview resolution

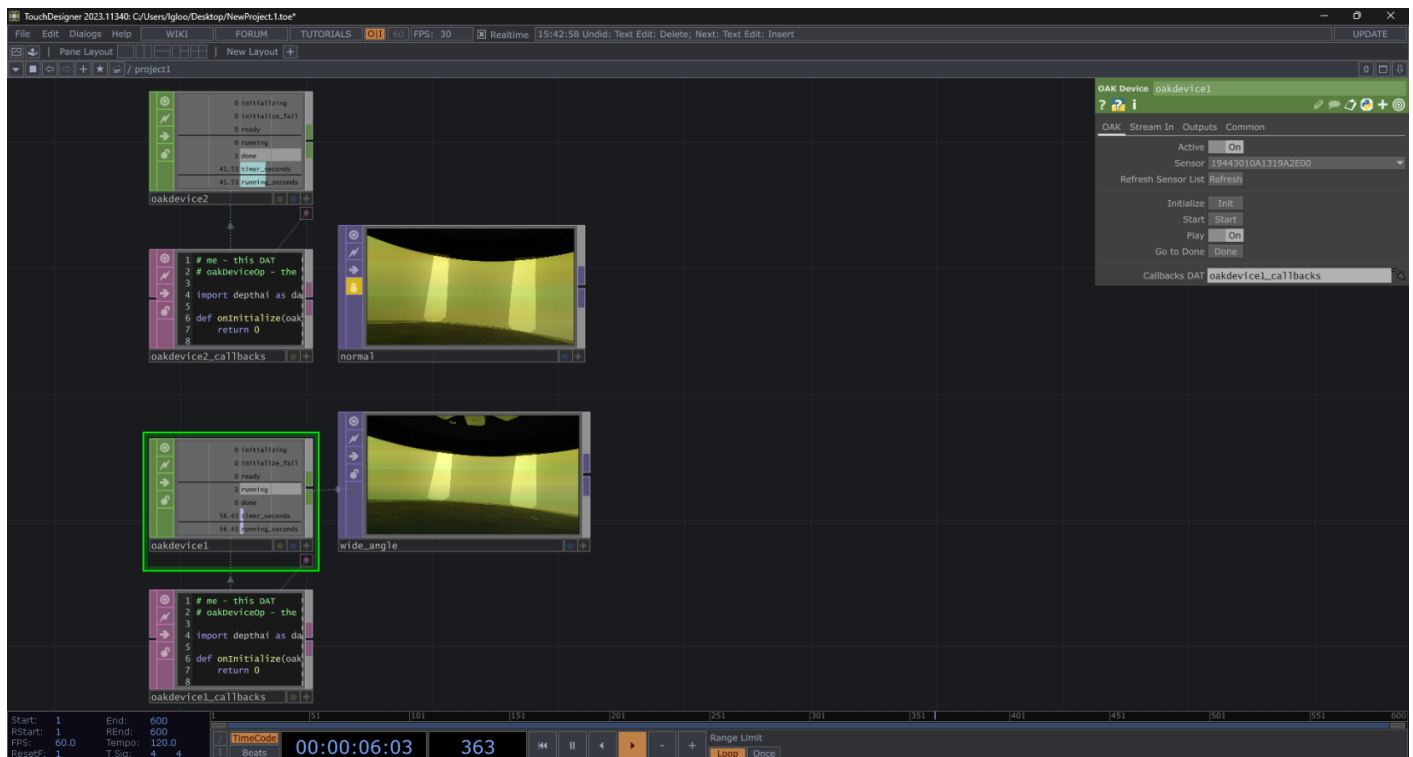
cam.preview.link(xoutPrev.input) # wide-angle output

return pipeline

```

Once you've replaced the script:

1. Click the arrow next to the **Stream** parameter in **OAK Select TOP**.
2. Select 'preview' to visualise the wide-angle image.



Revision #5

Created 3 July 2025 10:52:06 by Marta Ilacqua

Updated 3 July 2025 15:35:51 by Marta Ilacqua