

Sending SubscribeROIVideo through the terminal

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Note, the following is only valid for i.MX6-based displays

For ETH cameras following the **ISO17215** standard you will sometimes need to send a message to the camera for it to start sending video. The message is called SubscribeROIVideo and it takes an index as a parameter. The index is what Region of Interest the camera will stream.

This is the contents of the message:

```
Byte 00-01  SOME/IP header
Byte 02-03  Method (Subscribe ROI video)
Byte 04-07  Length of message (only header, method och length fields)
Byte 08-09  ClientID
Byte 10-11  Packet nbr (if you send more than one packet in the same message,
Byte 12-14  Should always be \x01\x01\x00
Byte 15-18  Resolution index you want from the camera
```

One option is to use the ETHCameraSettings library to send messages with a simple interface.

See the following KB article on how to use the ETH Camera library: [Using the ETH Camera settings library](#) [1]

The other way is to use the echo command and add that to a script.

The command we will be using is:

```
echo -n -e '\x43\x3f\x01\x31\x00\x00\x00\x0c\x12\x34\x56\x78\x01\x01\x00
\x00\x00\x00\x00<Index as byte>'>/dev/udp/<Camera IP>/<SOME/
IP communication port>
```

For example to subscribe to ROI 6, on a camera with IP 192.168.40.90 and SOME/IP port 17215:

```
echo -n -e '\x43\x3f\x01\x31\x00\x00\x00\x0c\x12\x34\x56\x78\x01\x01\x00
\x00\x00\x00\x00\x06'>/dev/udp/192.168.40.90/17215
```

For information on what ROI's are available on your camera and its communication port, check with your camera supplier.

Environment and Versions:

VS, VI

Category:

[ARM-Platform](#) [2]

[Linux](#) [3]

Source URL: <https://support.crosscontrol.com/kb/sending-subscriberoivideo-through-terminal>

Links

[1] <https://support.crosscontrol.com/kb/using-ethcamerasettings-library-control-eth-cameras>

[2] <https://support.crosscontrol.com/kb/arm-platform>

[3] <https://support.crosscontrol.com/kb/linux>