Archived:Getting a larger size video recorded by CVideoRecorderUtility

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Overview

This code snippet shows how to get the larger size video recorded by `CVideoRecorderUtility`.

Description

To get a resolution greater than QCIF (176x144) for video recording, MPEG-4 format ("video/mp4v-es") must be used.

```
_LIT8(KMimeTypeMPEG4VSPL3, "video/mp4v-es; profile-level-id=3");  // MPEG-4 Visual Simple Profile Level 3
_LIT8(KMimeTypeMPEG4VSPL4, "video/mp4v-es; profile-level-id=4");  // MPEG-4 Visual Simple Profile Level 4
```

Video capture in VGA (640x480) at 30 fps is possible in devices that support MPEG-4 Visual Simple Profile Level 4 (e.g. Nokia N93, Nokia N95). Most other S60 3rd Edition devices support as least VSP Level 3, that is, CIF (352x288) resolution at 30 fps. For example,

```
iRecorder->OpenFileL( iFilename, iCameraHandle, iControllerUid, iFormatUid, KMimeTypeMPEG4VSPL4, KMMFFourCCCodeAAC );
```

In `MvruoOpenComplete` callback capture size, frame rate, and bit rate must be set before calling `CVideoRecorderUtility::Prepare()`. For example,

```
void CMyVideoRecorder::MvruoOpenComplete( TInt aError )
    {
    if( aError == KErrNone )
        {
        // instead of using TRAP_IGNORE, proper error checking should be done
        TRAP_IGNORE( iRecorder->SetVideoFrameSizeL( iResolution ));
        TRAP_IGNORE( iRecorder->SetVideoFrameRateL( iFps ));
        TRAP_IGNORE( iRecorder->SetVideoBitRateL( KMMFVariableVideoBitRate ));
        ...
        iRecorder->Prepare();
```

Retrieving maximum supported video capture size and frame rate from `CCamera`:

```
TInt sizeIndex = 0, rateIndex = 0;
iCamera->EnumerateVideoFrameSizes( iResolution, sizeIndex, CCamera::EFormatYUV420Planar );
iCamera->EnumerateVideoFrameRates( iFps, rateIndex, CCamera::EFormatYUV420Planar, sizeIndex );
```

Note that some devices might not return the maximum supported values at the first index (0).

For detailed information about supported video capture sizes, see the Nokia Developer Audio & Video feature tables.

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