

CameraPro 3.4.6

Manual
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Introduction

CameraPro is a **must-have app** for all Symbian smartphones offering extensive camera and video recording functionality. Although the Symbian platform has been abandoned by Nokia in 2011/2012 CameraPro is, and will be, **continuously updated** in the future.

This manual describes CameraPro 3 (Qt) which is the successor of CameraPro 2 with a more modern user interface based on Qt, and many enhancements. All **Symbian^3/Anna/Belle** mobile phones¹ except the Nokia 500 are supported. CameraPro is focused toward:

- Fast accessibility of camera features, such as flash, exposure, macro, effects, etc.
- Full accessibility to camera features.
- High quality video recording.
- Quick sharing of pictures via Facebook, Flickr, Picasa, TwitPic/Twitter, and SmugMug

Download and Updates

CameraPro can be purchased on **Nokia/Ovi-Store**. Alternatively CameraPro can also be purchased on our website using **PayPal** or **wire transfer**. All links to the various versions and further information can be found on the CameraPro website:

<http://www.tequnique.com/camerapro>

CameraPro is also available for Nokia Meego, Windows Phone 8, and Android.

Customizations

Customizations of CameraPro, as well as small project work are possible (for various mobile platforms). Examples for customizations are:

- Integration into existing workflow systems (e.g. for external workers who have to capture pictures during work)
- Customized graphics (e.g. branding)
- Customized functionality (e.g. only a subset of functionality required for certain tasks)

Contact Information

The fastest way to reach us is by email or with the contact form which can be found here:

<http://www.tequnique.com/contact>

Please **include all relevant information** in your message such as: **app name** (e.g. „CameraPro“), **system** (e.g. “Symbian Belle FP2”), used **device** (e.g. „Nokia 808“).

If you captured a great photo you can post it on our Facebook site:

<http://www.facebook.com/CameraProApp>

¹ There are some known visual problems on the Nokia E6 which do not affect the functionality of CameraPro.

User Interface

One of the major design goals of CameraPro was to provide fast access to important camera features. Most settings can be reached within two taps.

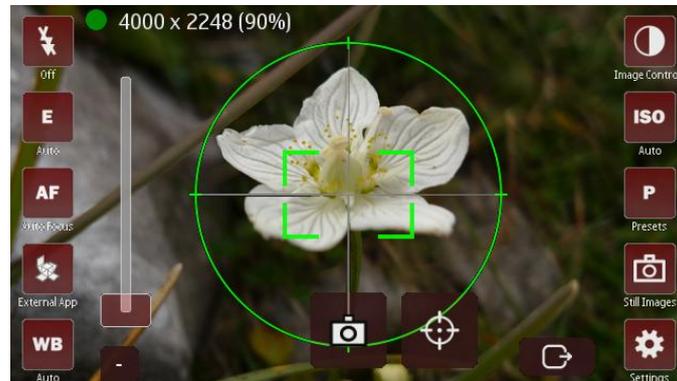


Figure 1 CameraPro user interface

The five icons located on the left and right side of the screen provide access to important settings. The settings differ between phone models. For instance the Nokia N8 offers single- and continuous autofocus while the Nokia C7 has only a fixed focus.

When the icons are tapped then a popup window is opened which provides different options. The popup window can be closed either by:

- Tapping outside of the popup, or
- Double-tapping the selected option, or
- Tapping on another menu item.
- If "One touch selection" is enabled, then the popup is automatically closed when an option is selected

The menus can be shown/hidden using the "+/-"-symbol on the bottom left.

Changing the capture resolution

The still picture resolution can be changed by tapping on the resolution on-screen information on the top left of the screen or in the CameraPro "Camera Settings".

Zooming

There are various means to zoom in/out:

- Volume up/down keys.
- Volume up/down key of external headset.
- Zoom slider.
- With a fast double tap on an empty region on the viewfinder it is possible to zoom in and out (2x for still images and 3x for video). It is also possible to set an exact zooming range by double tapping the zooming slider.

External headset controls

CameraPro supports the original Nokia headset for capturing pictures. This is for instance useful when taking picture with a tripod and to prevent shaking.



The following functions are available:

- Pause/Play button: capture photo, start/stop video recording.
- Stop button: focus.
- Forward button: turn on/off video light during video recording.
- Backward button: start/pause video recording.

Menus

The following Sections describe the functionality of menu buttons.

Customizing the menus

Both the functionality and the visibility of menus can be changed using “Settings” – “Arrange menus” option. Selecting “Arrange menus” will show a button with the caption “Finish”. To change a menu functionality just press one of the menu button you want to change. This will open a selection dialog with all functions that can be applied to the selected menu button. The option “Deactivate button” hides the button and the option “Reset all buttons” resets **all** buttons. It is recommended to restart CameraPro when resetting all buttons. If you accidentally remove the “Settings” button you can reset CameraPro by deleting the following file on your phone:

C:\data\.config\Tequique\QCameraPro.conf

To finish the arranging of menu buttons press the “Finish” button in the center of the screen.

Flash

This button opens a popup window with different flash options:

- No Flash
- Auto: The flash will automatically fire, if required.
- Forced: The flash will always fire.
- Red Eye Reduction

- Videolight: Constant light is emitted during video recording.

The mode “**Videolight**” works only on devices with a LED flash and while recording in video recording mode. Devices having only a **Xenon flash**, such as the Nokia N8, do not support this mode. The Nokia 808 has both a Xenon and a LED flash.

Effects

This button opens a popup window with image effects which are applied in real-time to the image:

- None: Any effect is applied to the image.
- Negative: The colors of the picture are inverted.
- Monochrome: A black and white (gray) effect.
- Sepia: Gives the picture an old photo touch.
- Vivid: Increases saturation of colors.
- Natural

All effects work for still images and during video recording.

Note: For more sophisticated effects such as color isolation or old film effects CameraFX (<http://www.tequnique.com/camerafx>) and ShaderFX (<http://s.meh.at/shaderfx>) are highly recommended. For image post processing use PhotoFX (<http://www.tequnique.com/photofx>).

Exposure Mode

This button opens a popup window with different exposure modes:

- Auto: The exposure is automatically adjusted by the camera firmware.
- Night: Long exposure for night shootings without flash.
- Backlight: For pictures where the light source is behind the object (bright background).
- Center: The (weighted) center region of the image is used to adjust exposure.
- Sport: Short exposure time for quick movements.
- Very long: Very long exposure. Please note that this mode does **not** work correctly on all phone models.

At the moment there are **no means** to control the **exposure manually** due to lack of firmware support.

Focus Mode

This button opens a popup window with different focus modes:

- Fixed: The autofocus is disabled.
- Auto: Automatically selects focus range.
- Macro: For close objects where details are of interest, such as flowers, insects, etc.
- Hyperfocal: All objects at distances from half of the hyperfocal distance out to infinity will be in focus. This gives maximum depth of field, for instance for landscape pictures.
- Infinite: Focus on distance.
- Continuous: The focus is continuously adjusted (also during video recording). This option consumes more energy than single autofocus.
- Cont. Macro: The focus is continuously adjusted in macro range (also during video recording). This option consumes more energy than single autofocus.

Note: The focus range can only be changed on Nokia 808 during video recording. On the Nokia N8 the focus range is fixed (or continuous) during video recording.

Note: Focusing does not work with Hyperfocal or Infinite focus because these are fixed lens positions.

Note: Autofocus works by moving a lens. Autofocus modes are only available for devices which have an autofocus such as the N8 and the Nokia 808. It is not possible to add autofocus functionality to devices which do not have an autofocus.

White Balance

This button opens a popup window with different white balance modes:

- Auto: The white balance is set automatically.
- Daylight: Normal daylight.
- Cloudy: Overcast daylight.
- Tungsten: Tungsten filament lightning.
- Fluorescent: Fluorescent tube lightning.

Note: The adjustment of the white balance can take some time.

Image Controls

This button opens a popup window with controls for adjusting image properties, such as:

- Brightness
- Contrast
- Saturation
- Sharpness
- Exposure Compensation

There are **three** means to manipulate values:

1. Using the slider
2. Tapping on the description text sets the adjustment to "0"
3. Tapping the number on the right side opens a popup dialog where a value can be inserted manually (or selected for exposure compensation).

ISO Mode

This button opens a popup window with different ISO modes:

- Auto: Adjusts the ISO mode automatically.
- Camera dependent manual ISO modes, such as 100, 200, 400, 800. The Nokia 808 supports ISO 1600 as well.

In Auto mode the ISO rate can be higher than in manual mode due to camera firmware restrictions. For instance on the N8 in auto-mode an ISO rate of 1200 is possible while in manual mode the maximum value is 800.

ND Filter

This button opens a popup window with different ND filter (neutral density filter) modes:

- Auto: the ND filter is automatically switched on and off.
- On: the ND filter is on.
- Off: the ND filter is off.
- N/A: the phone either does not have a ND filter, or it is not possible to manually control the filter.

Note: Only the Nokia 808 supports manual control over the ND filter.

Note: It is recommended to switch the ISO mode to a manual value (such as “50” for instance) when the ND filter is turned off.

Camera Mode

CameraPro offers seven different camera modes:

- Normal: A picture is taken each time when the shutter key is pressed.
- Video: For recording h264/mp4/3gpp videos.
- Self-Timer: Shooting is delayed by a user-defined amount.
- Anti-Shake: A picture is taken when the camera is held still.
- Bracketing: Up to 5 consecutive images with different exposure settings are captured. These images can be used for high dynamic range (HDR) photos. CameraPro captures only series of pictures. If you want to generate a HDR directly on your phone then take a look at the app “HDR Pro” (<http://www.tegunique.com/hdrpro>).
- Burst: A user-defined number of pictures are captured as fast as possible.
- Time-Lapse: Pictures are taken in a user-defined interval.

Note: The parameters (such as delays, exposure values, etc.) of all modes can be changed in the CameraPro “Global Settings”.

Note: The burst mode in CameraPro is quite slow for high resolutions. If you need an ultra-fast burst camera, take a look at the BurstCamera app (<http://www.tegunique.com/burstcamera>).

Presets

Presets can be created, loaded, and deleted. A preset holds values for all camera settings, such as exposure, flash mode, focus range, image brightness, etc.

Creating a preset

A preset can be created with the following steps:

- Set exposure, flash, etc. settings
- Open the “Presets” popup dialog and select “Add Preset”
- Enter a preset name and press “Ok”.

Load a preset

A preset can be loaded with the following steps:

- Open the “Preset” popup dialog and select “Custom presets” or one of the default presets

Delete a preset

A preset can be deleted with the following steps:

- Open the “Presets” popup dialog and select “Delete preset”

- Select a preset to delete and press “Ok”

Settings

The settings dialog window provides access to

- Global Settings,
- Arranging menus,
- Start external app (e.g. the gallery),
- Switch between front and back camera (requires restart of CameraPro),
- Feedback, Info (including CameraPro version info), and a link to the CameraPro Facebook page.

Besides, three different graphical overlays for capturing pictures can be enabled in the settings dialog:

- Grid: Shows a grid on top of the viewfinder.
- Compass: A compass is not supported on all phones. If the phone does not support compass mode, then an error message is displayed.
- Virtual Horizon (level meter): Overlays a virtual horizon/level meter over the camera viewfinder to align pictures with the horizon. This can be useful if the exact level is uncertain (for instance to show the steepness of a hillside during skiing or hiking). The level meter can be calibrated in the „Global Settings“.

Global Settings

The global settings can be accessed by the “Settings” popup menu. The settings are grouped into multiple tabs which are described in the next Sections.

General Settings

The general settings tab shows settings which affect all camera modes.

Language

CameraPro offers translations for various languages, including German, Hungarian, Russian, Chinese, Italian, Spanish, Turkish, Dutch, Ukrainian, and Polish.

CameraPro has to be restarted after changing the language.

Set CameraPro as default app

This options sets CameraPro as the default app. If enabled, then CameraPro is started when the hardware shutter button is pressed.

Note: On Symbian Belle FP2 devices there is an issue which causes this functionality to not work properly after rebooting. As a “fix” you have to start CameraPro once after rebooting your phone.

Ignore keylock

If enabled, and CameraPro is set as default app, then CameraPro is started when the hardware shutter button is pressed, even when the keylock/screenlock is enabled.

Note: When CameraPro is started with enabled keylock, all pictures are rotated by 90° and the resolution of captured pictures changes. This is a Symbian related bug.

Shut down CameraPro on keylock/background

If enabled, then CameraPro exits when the keylock is enabled, or when CameraPro is sent to background. This function is useful to save battery power.

Disable screensaver

If enabled then the screenlock/screensaver is deactivated when CameraPro is running.

Show on-screen information

If enabled, then additional information (e.g. resolution, battery level) is shown on the viewfinder.

Show battery level

If enabled, then the current battery level and state are shown on the viewfinder. If “Show on-screen information” is disabled, then the level will not be shown.

Select zoom ratios / Reset zoom ratios

Here the available zoom ratios can be limited or reset. A zoom ratio is enabled if its text is green.

This function is especially useful to prevent too high zoom ratios during video recording on the Nokia 808 where up to 4x lossless zoom can be used.

Capture after touch focusing

If enabled, then capturing is started after focusing (both if focusing succeeds or fails).

Show capture button

If enabled, then a touch capture button is shown.

Capture button mode

This option defines what happens when the touch capture button is pressed:

- Capture only
- Focus, then capture if focused
- Focus, then capture even if not focused

Show focusing button

If enabled, then a touch focus button is shown.

Show exit button

If enabled, then a touch exit button is shown.

Enable sounds

If enabled, then sounds for certain events, such as a shutter sound when the shutter fires, or self-timer countdown (last 5 seconds) are played.

Enable one-touch selection

If enabled, then popup dialogs are automatically closed after selecting an option.

Use front camera

If enabled and the device has a front camera, then the front camera is used the next time CameraPro is started. This function can alter some camera settings (such as zoom ratios).

Calibrate acceleration sensor on level surface

Use this function to calibrate the acceleration sensor which is used for the level meter and the anti-shake modes. For calibration put your device on a level surface so that the screen points to you (90° from the surface) and press the calibrate button. You can manually adjust the correction angle in the text field.

Camera Settings

The camera settings affect all still picture modes, including burst, bracketing, self-timer, and time-lapse.

Photo resolution

Here the photo capture resolution can be changed. The resolution can also be changed by tapping on the resolution text on the viewfinder.

Storage location

CameraPro can store images in arbitrary locations on your phone. The storage location consists of:

- Drive (“e” is internal mass storage, “f” is SD card)
- Root folder (e.g. “Images” or “DCIM”)
- A sub-folder: here you can add a subfolder which is created within the root folder. It is also possible to specify a hierarchy of sub-folders, for instance “CameraPro\ChildFolder1\ChildFolder1.1\”. Folders are automatically created when a picture is captured.

Filename

This field specifies the filename pattern of captured images. Patterns are **case sensitive**. You can load a pattern preset by pressing the “Load preset” button. The following fields are available and can be mixed:

- @y: year, e.g. “2013”
- @m: month, e.g. “01”
- @d: day, e.g. “29”
- @H: hour, e.g. “14”
- @M: month, e.g. “02”
- @S: second, e.g. “59”
- @COUNTER: a counter, e.g. “camerapro_000001”

Note: use only characters which are valid. For instance a filename may not contain “:”, “/” or “\” (this list of forbidden characters is not complete!).

Note: The file extension (“.jpg”) is automatically added.

Persistent image file counter

If enabled, then the counter for image files containing a counter (“@COUNTER”) will be stored persistently.

Image compression quality

Here the jpeg compression quality can be changed. For reference, the quality setting of the native camera app is about 90%. A value of 100% means that the raw jpeg stream is saved to the file.

Note: due to internal post-processing by the camera firmware the quality of a lower compression level (e.g. 90%) can visually look “better” than the result with 100% setting.

Show image preview

If this time is larger than “0” and the “Show mini preview” option is disabled, then the preview after capturing a picture is shown for the given amount of seconds. The preview window allows you to save and delete the image, as well as to show EXIF metadata and share the picture with various web services, MMS, and email. The preview window timer can be stopped by touching the preview image. The preview window can be closed by pressing the hardware shutter button or by pressing the save/delete buttons.

Show mini preview

If enabled, then a mini preview is shown on the viewfinder after capturing a picture. When touching the mini preview, then a full-screen preview opens. The preview window can be closed by pressing the hardware shutter button or by pressing the save button.

Note: It is not possible to show the EXIF metadata or delete/share the image from the mini preview.

2nd ~5MP picture along high res photo (only Nokia 808&N8)

If enabled, then for resolutions greater than 4000 pixels (in one dimension) a second image with approximately 5MP is created.

Note: This can be very slow, especially for Nokia 808 high resolution pictures!

Autofocus light mode

Here the auto focus light mode can be changed (on/off/auto). This does not affect the red light which is shown during video recording.

Geo tagging

If enabled, then images are tagged with the current GPS position. If geo tagging is enabled then a “GPS” symbol is shown on the viewfinder which turns green when a valid GPS position is available. GPS data includes latitude, longitude, and altitude. If the compass is turned on, then direction (magnetic) is logged as well.

Note: it can take several minutes until a GPS position is found. To speed up this process enable A-GPS on your device. GPS usually does not work in buildings.

Align picture orientation with camera orientation

If enabled, the captured pictures are automatically rotated according to the phone’s orientation during capturing. For instance, if the phone is held in landscape position, then the picture will be in landscape (width greater than height). If it is held in portrait position, then the picture will be in portrait orientation (height greater than width).

Face detection

If enabled, then the autofocus focuses on faces. This function is **experimental**. The autofocus modes will not work when this option is enabled.

Burst Mode

In the burst mode tab the delay in seconds until capturing is started and the number of pictures to be captured can be set.

Self-Timer Mode

In the self-timer tab the duration in seconds until the picture is captured can be set.

Anti-Shake Mode

In the anti-shake mode tab the anti-shake sensitivity can be set:

- Low
- Medium: slight movements are tolerated.
- High: a picture is only captured if the phone is held absolutely still (e.g. on a tripod).

Time-Lapse Mode

In the time-lapse tab the capturing interval in seconds can be set. A more advanced tool for time-lapse recording is FastMotion (<http://www.tequnique.com/fastmotion>) which offers more options and support for generation of video files directly on the mobile phone.

Bracketing Mode

In the bracketing mode tab the delay in seconds until capturing is started and the exposure compensation for up to 5 pictures can be set.

Video Mode

CameraPro offers multiple options for video recording.

Videotype

Here the capturing resolution (and the encoding and file format) can be selected from a list of presets.

Record audio

If enabled, audio is recorded, else the video is muted.

Frame rate / video and audio bit rates

Here the frame rate in frames per second, and the video and audio bit rates can be changed.

Note: There is no guarantee that the selected values are used during video recording. This is especially true for the audio/video bit rates.

Storage location

CameraPro can store videos in arbitrary locations on your phone. The storage location consists of:

- Drive (“e” is internal mass storage, “f” is SD card)
- Root folder (e.g. “Videos” or “DCIM”)
- A sub-folder: here you can add a subfolder which is created within the root folder. It is also possible to specify a hierarchy of sub-folders, for instance “CameraPro\ChildFolder1\ChildFolder1.1\”. Folders are automatically created when a video is recorded.

Filename

This field specifies the filename pattern of recorded videos. Patterns are **case sensitive**. You can load a pattern preset by pressing the “Load preset” button. The following fields are available and can be mixed:

- @y: year, e.g. “2013”
- @m: month, e.g. “01”
- @d: day, e.g. “29”
- @H: hour, e.g. “14”
- @M: month, e.g. “02”
- @S: second, e.g. “59”
- @COUNTER: a counter, e.g. “camerapro_000001”

Note: use only characters which are valid. For instance a filename may not contain “:”, “/” or “\” (this list of forbidden characters is not complete!).

Note: The file extension (e.g. “.mp4”) is automatically added.

Persistent video file counter

If enabled, then the counter for video files containing a counter (“@COUNTER”) will be stored persistently.

Split video files

Due to various technical issues the size of a video file should not exceed about 2000MB. It is not recommended to change this value. When the video size reaches the given limit **a new file is automatically generated and video recording continues**.

Record 4GB+ files

If enabled, then video files are not split when they reach the size limit. This option is only recommended if you record to an **exFAT** formatted SD card. Else the resulting video files can be **unreadable!**

Record GPS track

If enabled, then a GPX track is recorded together with the video file with the given logging interval.

Logging interval

This field sets the logging interval for the GPX track in seconds. An interval of 5 seconds means that every 5 seconds the current GPS position is written to the GPX track.

Video stabilization

This option enables video stabilization during video recording.

Webupload and MMS/Email

In this tab the settings for sharing pictures in social networks and via MMS/email can be changed.

Use system email/MMS

If enabled (recommended), then the system applications are used for sending pictures via email and MMS. If this option is disabled (not recommended), then functions built into CameraPro are used for email and MMS.

Scale images before upload

If enabled, then images are scaled before upload. It is recommended to turn on this option to reduce image size and to improve upload speeds.

Max. MMS size

This option is only used if the “system email/MMS” app option is **disabled**. The maximum allowed MMS size depends on your operator’s limits.

Keep aspect ratio

If enabled and “scale image before upload” is enabled as well, then the aspect ratio is kept during scaling. If only “scale image before upload” is enabled, then images are scaled to the exact size defined (this can lead to skewed images if the source image aspect ratio does not match the given scaled size’s aspect ratio).

Crop images to square

If enabled and “scale image before upload” is enabled then images are cropped to square dimensions before upload.

Logout from Facebook/Flickr/Picasa/Twitter/SmugMug

Here the log-in information stored in CameraPro for the given webservice is removed. After logging-out you have to re-authenticate the next time the webservice is used.

CameraPro Visual Design

In this tab the visual appearance of CameraPro can be changed.

Note: CameraPro has to be restarted after making changes to the design.

Presets

Here a color scheme can be selected from a list of presets.

Use white menu icons

If selected, then white menu icons are used, else black ones.

Use big menus

If enabled, then big menus (without text) are shown.

Menu alpha

Here the transparency of menus can be changed. A lower value means more transparency.

Individual colors

Here the default colors for text and buttons can be changed.

Capturing Pictures

Depending on the phone model there are various means for capturing pictures:

- By pressing the hardware camera shutter key.
- By pressing the play/stop button on an original Nokia external headset control.
- By tapping the camera touch button.
- By pressing the hardware “Ok”/”Enter” key (E6).
- After touch focus (depending on capture button mode setting)

Additionally, in video mode a touch button is shown to pause and resume video recording.

Focusing an Object

If your phone model supports autofocus an object can be focused either

- By slightly pressing the hardware camera shutter key, or
- By tapping on the touch focusing button, or
- By using the “Stop” button on the external headset, or
- By tapping somewhere on the viewfinder (which focuses on the selected region).

The success or failure of the focus operation is visualized by a red (unfocused) or green (successfully focused) rectangle.

Simulating Touch Focus

If your device does not support touch focus but only normal autofocus then touch focus can be easily simulated:

- Move the phone so that the object (distance) you want to focus on is close to the center of the viewfinder
- Focus
- Reposition the phone without changing the distance to the object
- Capture the picture without re-focusing

Uploading Pictures to Web Services

CameraPro supports uploading and posting of captured pictures to web services such as Facebook, Flickr, Picasa, TwitPic/Twitter, and SmugMug.

Note: Pictures can only be uploaded from the preview screen. Upload is not supported from the mini-preview screen.

Note: You can scale down the image dimensions by enabling scaling and selecting a size in the “Global Settings” which is highly recommended to save bandwidth.

After capturing a picture the following options are presented (if the preview is enabled):

- Save: Saves the picture visible in the preview to the storage medium.
- Delete: Skips the captured picture without saving it.

- Web Upload: Uploads the captured picture to a web service or sends the picture via MMS and email.
- EXIF: Shows the most important EXIF data, such as aperture, shutter speed, digital zoom ration, and exposure time.

The access to all web services is implemented in an anonymous way, which means that no username/password information has to be entered into CameraPro. CameraPro never sees your login details. When a web service is used for the first time (or authentication failed) with CameraPro then a new browser window is opened which points to the web service provider (for instance <https://m.facebook.com>). In the browser window access rights for CameraPro have to be granted so that CameraPro can upload pictures to your account. The access rights can always be revoked later.

Sending pictures via MMS and Email

Pictures can be either sent directly in CameraPro, or using the default system apps for email and MMS (can be changed in the “Global Settings”). Generally using the default system apps is preferred.

Frequently Asked Questions

CameraPro crashes on startup/during focusing/etc.?

This is a well known problem of illegally distributed (cracked) versions of CameraPro. Please buy the original app because we spend a lot of work in CameraPro. CameraPro does not cost more than a cup of coffee! Besides, the cracked versions can contain viruses and other malware.

I accidentally removed the settings menu. How can I get it back?

Delete the following file to reset CameraPro:

```
C:\data\.configs\Tequique\QCameraPro.conf
```

How can I replace the built in camera app with CameraPro?

Open CameraPro and go to "Global Settings". There you find an option "Set CameraPro as default".

Can I manually set exposure, focus range, and aperture?

At the moment it is only possible to use the presets because manual selection is not possible due to camera firmware restrictions.

Capturing pictures with CameraPro seems to be slower than with the built-in camera application!

CameraPro processes images in background, so you can capture multiple images directly after taking a picture. But CameraPro provides 100% quality (=raw jpeg) which results in up to 5 times larger image sizes (like 10 MB instead of 2 MB). Thus sometimes CameraPro can be a little bit slower than the built in camera when taking pictures with 100% quality. The circle on the top left indicates if CameraPro is processing (red), or has finished processing (green) all images.

How can I take pictures in 16:9 formats?

When you are in photo mode, go to "Settings" and change the image size to a dimension with a 16:9 ratio, for instance to "4000x2248". Alternatively the resolution can be changed by tapping on the resolution text on the top left.

The exposure in bracketing mode is not constant.

The camera firmware allows only little manual intervention of parameters. Adjusting the exposure compensation value gives the camera only a hint which is sometimes ignored.

What is the difference between CameraPro 2.x and 3.x?

CameraPro 3.x has a more modern user interface than CameraPro 2.x and a lot of new features. On the other hand CameraPro 2.x is slightly faster and offers expert settings for video recording.

Both versions of CameraPro are compatible with the PureView technology.

Change Log

Note: possible missing version numbers are private releases.

Version 3.4.6

- Bug fixes
- Added: videolight on off with forward headset button

- Added: pause video recording with backward headset button

Version 3.4.5

- Added support to capture a small ~5MP photo together with full resolution photo (SLOW!!!)
- Added support to focus/close preview with headset stop button
- Fixed viewfinder rotation bug
- Bug fixes

Version 3.4.4

- Added persistent file counter option for image and video files

Version 3.4.3

- Bug fixes

Version 3.4.2

- Bug fixes

Version 3.4.1

- Added option to hide exit button
- Added GPS altitude and direction (requ. compass on)
- Bug fixes

Version 3.4.0

- Bug fixes
- Improved translations

Version 3.3.9

- Added manual ND filter support (Nokia 808)
- Added French translation

Version 3.3.8

- Added menus: capture, focus, quick video (->"Arrange menus")
- Improved translations

Version 3.3.7

- Added option to faster switch to front camera
- Improved translations
- Bug fixes

Version 3.3.6

- Added option to keep screensaver active
- Fixed "Set CameraPro as default" option
- Improved translations

- Bug fixes and improvements

Version 3.3.5

- Added one-touch selection option
- Added: image control values are now reset when the text is tapped
- Added version info to info dialog
- Added support for front camera
- Improved GPS handling
- Fixed presets
- Bug fixes

Version 3.3.4

- Fixed crash when "Shutdown on keylock" enabled

Version 3.3.3

- Added entry to remove individual menu buttons (in "arrange menus")
- Added option to record video files bigger than 4GB without splitting (CAUTION: can produce corrupt video files on non-exFat drives)
- Added option to close CameraPro when screen lock enabled / background to save battery power
- Added option for acceleration sensor calibration
- Bug fixes

Version 3.3.2

- Fixed video file splitting bug
- Improved translations

Version 3.3.1

- Fixed bug when switching from video to normal mode

Version 3.3.0

- Improved video mode
- Bug fixes

Version 3.2.9

- Added option to use system apps for email and MMS

Version 3.2.8

- Added support to email photos
- Bug fixes

Version 3.2.7

- Bug fixes

Version 3.2.6

- Improved German, Russian, Ukrainian translations

Version 3.2.5

- Improved image preview speed
- Added mini preview option (under camera settings)

Version 3.2.4

- Visual improvements (battery symbol)

Version 3.2.3

- Improved Russian/Ukrainian translations
- Show megapixel instead of resolution in viewfinder

Version 3.2.2

- Nokia 808: fixed face detection / AF bug

Version 3.2.1

- Added Polish translation

Version 3.2.0**Version 3.1.9**

- Internal releases

Version 3.1.8

- Added Ukrainian translation (testing)
- Added option to capture directly after touch focus

Version 3.1.7

- Improved saving when keylock is enabled

Version 3.1.6

- Added Dutch, Turkish, and Spanish translations
- Improved touch focus (PureView only)

Version 3.1.5

- Added option for video stabilization
- Added option to log GPX tracks during video recording
- Added Italian translation (TESTING)
- Bug fixes

Version 3.1.4

- Bug fixes

Version 3.1.3

- Added new languages: German, Hungarian, Russian (TESTING), Chinese (TESTING)
- Bug fixes
- SmugMug photo upload

Version 3.1.2

- Fixed macro autofocus mode

Version 3.1.1

- Added support to capture with remote control (e.g. headset buttons)

Version 3.1.0

- Added Nokia PureView support

Version 3.0.7

- Touch focus

Version 3.0.6

- Bug fixes

Version 3.0.5

- Fixed Picasa upload
- Improved webupload

Version 3.0.4

- Fixed volume buttons for zooming
- Shutter sound is now played exactly when the picture is captured
- Added option to start CameraPro when keylock is enabled
- Improved exposure handling
- Bug fixes

Version 3.0.3

- Fixed Facebook and Picasa upload on Symbian Belle

Version 3.0.2

- Fixed GPS coordinates

Version 3.0.1

- Fixed video recording mode

Version 3.0.0

- modern, customizable user interface (based on Qt and Qml)
- new visual hints
- improved bracketing mode
- improved time-lapse timing
- improved speed of 100% image quality mode
- 100% image quality mode runs now as stable as lower quality modes
- new sound effects
- improved auto focus modes
- improved background image saving
- different modes for touch-based capture button (capture, capture if focused, focus and capture even if not focused)
- new resizing modes for web upload (e.g. square crop, custom sizes, aspect ratio)
- now MMS can be sent to all contacts including those stored on SIM
- custom setting for video splitting file size
- option to limit zoom-slider range to "good" (custom) quality ratios only