



RealVision • Close to reality

## Special Features & Tech



## Intro

AcuiCam Pro is a professional Camera & Editor app that is simple, elegant and intuitive. It supports Apple ProRAW, Deep Fusion and Macro. Plus our unique RealVision process with Gain Maps to deliver EDR (Extended Dynamic Range) in its presets and Workshop editor.

AcuiCam Pro is designed to bring you into focus and let you compose and shoot stunning images of the best quality you can achieve with an iPhone.

To make this possible, AcuiCam Pro uses a Computational Photography process called RealVision that produces images close to the reality you experienced when you shot them.

Each time you shoot an image, AcuiCam Pro processes it automatically. That means, *What you see is what you get* - in both the Viewfinder, Preview and the auto-saved JPG image. You can share this image(s) directly with family, friends and the world by tapping More and Share in the Image Selector.

You can select to shoot in either STD (Standard) or ProRAW mode. Then AcuiCam Pro saves a Master image you can edit non-destructively in the built-in Workshop editor.

An edited STD or ProRAW Master image can be saved either as a HEIC or JPG image and finally as a lossless PNG image when you need the ultimate quality for printing.

## Special Features

- [Info Buttons](#)

Informs you about what the different features do and how to use them.

- [STD & ProRAW Master Capture with 5 RealVision presets](#)

Produces images close to the reality you experienced when you shot them.

- [Viewfinder](#)

RealVision processed view and Straight Horizon setting without disturbing UI elements.

- [Format](#)

Fast selection between STD and ProRAW formats in either 12 MP or 48/24 MP.

- [Fixed Focal Length & Zoom](#)

Fast selection between 5 Focal Lengths & Zoom in 12 MP and 2 Focal Lengths in 48/24 MP.

- [Depth](#)

Fast selection between 3 Aperture presets to add Depth effect in STD mode.

- [Max Screen Brightness](#)

Makes it easier to see what's on your screen in bright daylight.

- [Fill Light on the Back Camera](#)

Gives you better control over your composition and exposure.

- [Fill Light on the Front Camera](#)

Designed to give you better selfies in low light.

- [Aspect Ratio Masks](#)

Select the best Aspect Ratio for your image style.

- [Shutter Speed Warning](#)

When the camera goes below 1/60 sec to avoid blurry images.

- [Preview](#)

Large Preview of your latest shots for evaluation that you can even zoom.

- [Image Selector](#)

Holds all your Master images you can select to either edit, share, export or delete.

- [Workshop](#)

State-of-the-art editor to fine-tune your images with custom-made enhancement tools.

- [RealVision](#)

Adjust your images to come even closer to the experienced reality if needed.

- [Gain Map](#)

Adjust Gain Maps with Bright Light & Diffused Light to get a balanced and natural result.

- [Lux](#)

Adjust the light level in a dark image to extend the dynamic range for greater realism.

- [Neutral Density](#)

Imitates a physical ND filter that can reduce the brightness in an overexposed image.

- [Texture](#)

Improve texture and details to create an even more natural and realistic image.

- [Polarise](#)

Imitates a physical polarisation filter, that even can reduce sheen, but not remove reflections.

- [Soft Focus](#)

Mimics the uncorrected spherical aberration in the Imagon soft-focus portrait lens.

- [Sun](#)

Recreates the sunlight on a slightly cloudy day.

- [Golden](#)

Simulates the magical golden light of the sun when rising or setting.

- [Evening](#)

Simulates the dusk mode when the sun has set.

- [Black & White](#)

Turn your shots into artistic and timeless classic quality.

- [Auto-save](#)

A JPG copy of the pre-processed Master is saved to Photos / My Albums.

- [Master Export](#)

Export of HEIC & DNG Masters from STD and ProRAW capture for external processing.

- [EXT DNG processing](#)

RAW files from external cameras, even Hasselblad, converted to DNG files, or ProRAW files from other apps will turn up under EXT in the Image Selector when placed in Photos / My Albums - ready for processing.

AcuiCam Pro can't make bad images look good  
But it can make good images look close to reality!



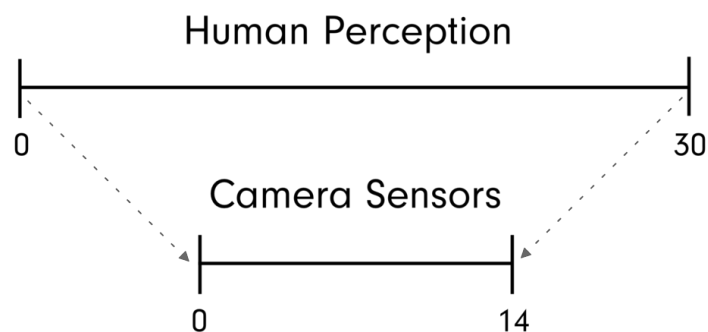
## Tech

AcuiCam Pro™ uses state-of-the-art technology in P3 wide color from the capture to the final image. The main feature RealVision™ is based on the XDR™ image-enhancement process developed by Svend B Sorensen at [SBS 3D LAB >](#)

This type of process is called Computational Photography that can be defined as computational imaging techniques that enhance or extend the capabilities of digital photography in which the output is an ordinary photograph, but one that could not have been taken by a traditional camera.

A modern camera sensor is capable of capturing approx. 14 stops of light. Quite impressive, but still no match for the evolutionary wonder of human visual perception, which can “see” an astonishing 30 stops of light.

Even the human eyes can “see” about 30 stops, they can't perceive more than approx. 10 stops at a time. Our eyes continuously record these 10-stop images while scanning a scene. These separate images are then combined into one complete mental image.



We remember a scene as the 30-stop reality we saw with our eyes, not the 14-stop version shot with the iPhone camera or shown on its screen. That is the main reason why images do not justify our memories. Because of that, AcuiCam Pro processes your images with RealVision which produces images close to the reality you experienced when you shot them.

RealVision can be adjusted further after your images have been shot if necessary. Moreover, you can fine-tune the images for perfection with the Lux, Texture, ND and Polarise tools, etc.

AcuiCam Pro can save the processed Master images as HEIC and JPG in 8-bit. Furthermore lossless PNG in 8-bit from an STD Master and in 16-bit from a RAW Master. Finally, AcuiCam Pro can import, process and export DNG files in 16-bit.

AcuiCam Pro requires iOS 15 or later to run and works with iPhone XS and all later models.

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