Artemis is a digital directors viewfinder capable of reproducing the field of view of any photographic format. Drawing either from a database of cameras or allowing for the creation of custom camera settings, Artemis is indispensable as a tool for planning and setting up shots without having access to the intended camera.

Most likely, if you are reading this, you have already used a directors viewfinder. This short tutorial will explore all the features of Artemis. There are a number of features that may be new to you and examples of how to get the most out of Artemis. Spend a moment or two reading this in full and I promise I'll try not to get too boring.

If you should have any questions, suggestions or problems (specifically with Artemis, at least until we know you better) then don't hesitate to email us at android@chemicalwedding.tv. We'll try and get back to you as soon as possible. We are a small but friendly company that value our users. I'll stop there before I embarrass myself.
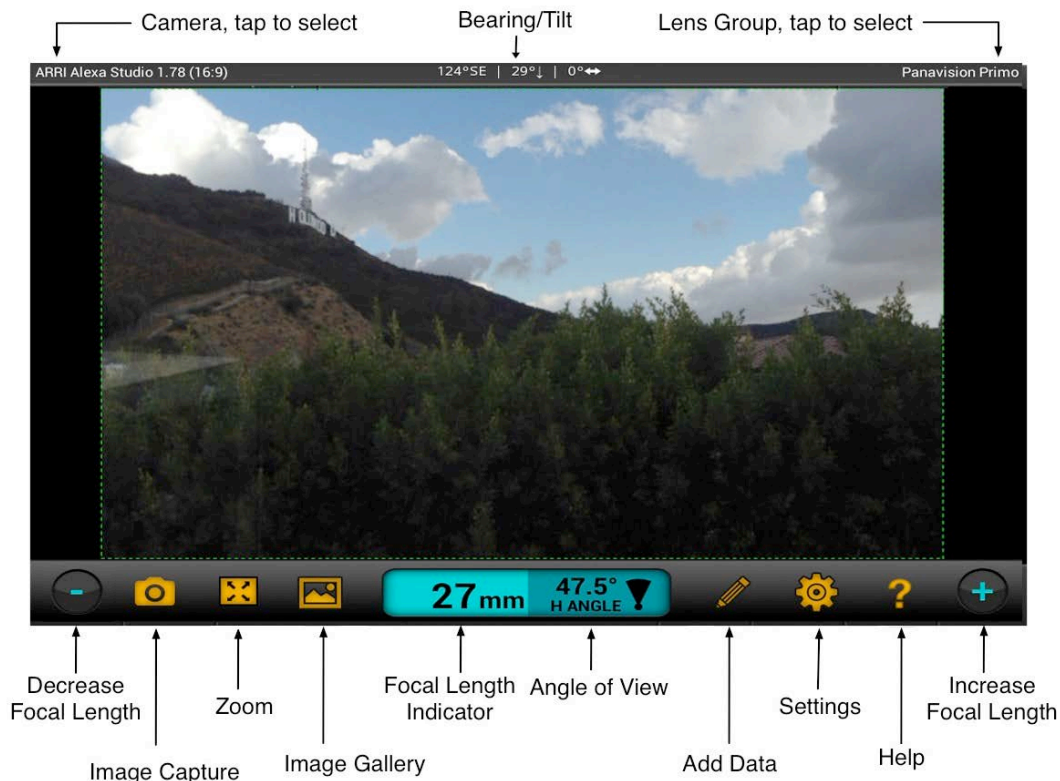
Wireframe Mode
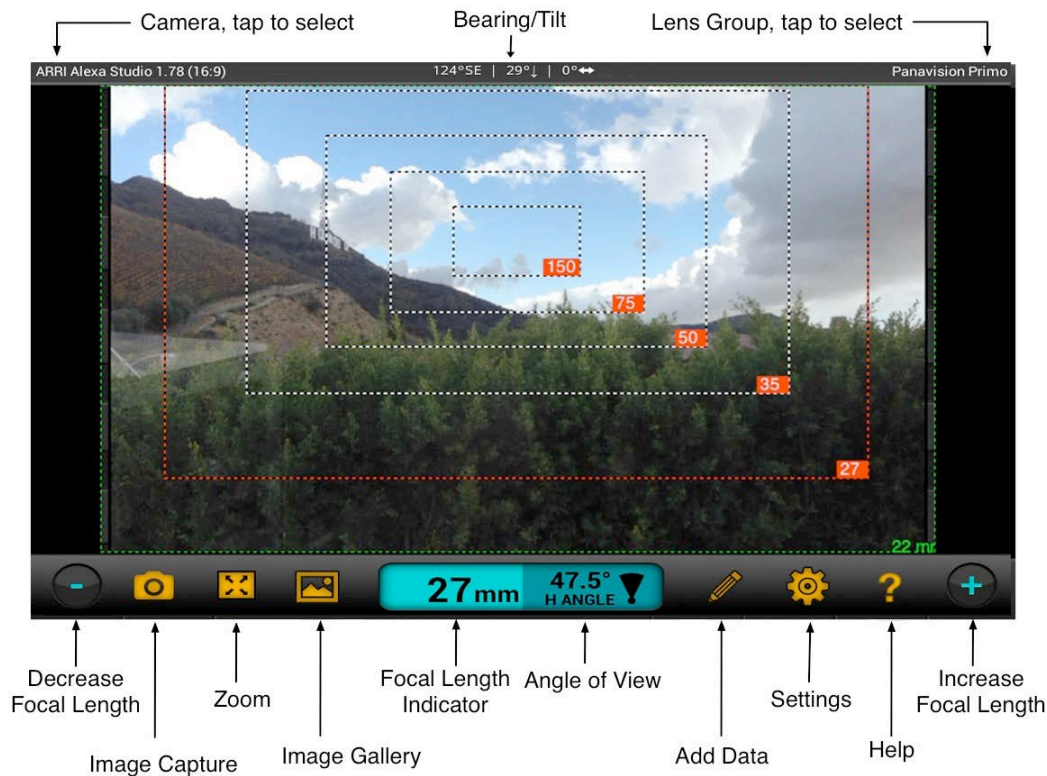
This is the main screen as you would see it at start-up, in what we call Wireframe Mode. Let's start by selecting a camera. Tap the top left of the screen. This should bring down a list of camera types. Select one of these groups, then a sub group if indicated, then a camera. You then have the option of selecting a camera format. From there you get a list of lens groupings. Select one of these and then turn on or off the lenses that you have in your kit. It you are mixing from different lens groups then choose the generic lens list. Tap done and you are returned back to the main screen.

Now you can see concurrent framing for all the lenses you have selected. By tapping the plus and minus button on the bottom right and left of the screen, you can preview a specific lens. That focal length is shown in the Focal Length Indicator the bottom middle of the screen and as a red bordered box around that area of the image. If you tap the Focal Length Indicator, it;s possible to amend the lens selection.

Zoom mode

Bearing/Tilt

Lens Group, tap to select

ARRI Alexa Studio 1.78 (16:9)   124°SE | 29°↓ | 0°↔   Panavision Primo

27 mm   47.5° H ANGLE

Decrease Focal Length

Zoom

Focal Length Indicator

Angle of View

Settings

Increase Focal Length

Image Capture

Image Gallery

Add Data

Help

Tapping the Zoom button brings Artemis into Zoom Mode. This reveals the core functionality of Artemis. In zoom mode, use the Increase and Decrease Focal Length buttons to select the lens you wish to preview. The Focal Length Indicator will show the lens represented. When selecting different focal lengths, the Bearing/Tilt display will toggle to show Horizontal & Vertical Angle of View. These figures are essential if you'd like to creating lens projections on top of set drawings, old school style.

Bearing/Tilt information will toggle back onto the screen after a moment. Tilt information is shown in increments of 5 degrees, while bearing is shown in single degrees. Please be aware - the iPhone compass is fairly accurate but it would be wise not to rely on it. Verify bearing readings with a quality hand held compass if possible.

Lastly, in zoom mode you can capture images that can be stored either in a specific gallery inside Artemis or in the general photo gallery. More on that later.

Settings
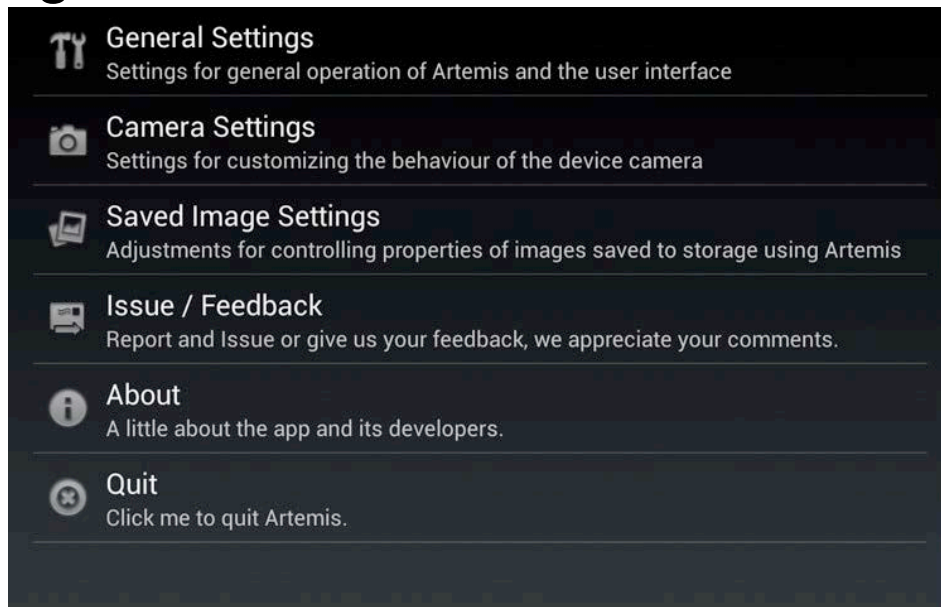
There are a number of ways to configure Artemis. To do this tap the cog symbol in the Main Viewer.

Most settings are self explanatory because of our detailed explanations.

If you have any questions please email us at android@chemicalwedding.tv

Add Data

In the main view there is button with the symbol of a pencil. This button allows you to add data and a description to images as you take them.

If you are working on a specific job or a specific sequence, this is a good place to add a generic title to the images you will be taking. You can change or add to these titles later. This is just a way to speed the process up. In the example above, I've added the title "Gone With the Wind", which will be applied to every image I store.

Additional data can be stored also, including GPS or nearest address data, camera and lens data. This can be
added using the date the image was taken or better still, the date on which you intend to actually shoot the scene. For more detailed data on sun position you could always use our other application Helios. Hint, hint.

Custom Cameras & Lenses

There are two main reasons to create a custom camera in Artemis. You may be using a camera that for some reason is not in the database. More importantly, you may be wanting to use a camera that has been configured in a specific way, with a non-standard aspect ratio or using a customized active sensor area.

In the database of cameras, we include only those formats manufacturers list as standard. Customized settings are too subjective for us to speculate on.

First, tap the top left of the main screen, then select Custom Camera at the bottom of the list. At the bottom of the screen tap ADD then follow the directions on screen.

There is a facility to use data to define the Active Sensor Area. A note of caution here. We have found that manufacturers data with regard to sensor areas is sometimes, well let's say generous. It's best to rely on matching Artemis to your camera using the visual calibration method.

Once you have created a custom camera there is a facility to send us the data you have collected. We use this to confirm the data we have for cameras within the database. Also, keep a copy of that data yourself, just in-case you need to enter the custom camera data again.

We provide a comprehensive selection of lenses in Artemis to choose from. It's not always possible to cover every combination or specific focal length. Our way of dealing with this is found in the Generic Lens Lists.

To add focal lengths to any lens grouping, first tap on the top right of the main screen. Select a lens grouping and in the bottom right of the screen there is a button that allows you to Add Custom Lens. Tap this to add any focal length you need.

If you are mixing and matching lenses from different manufacturers, the Generic Lens List may be the solution for you.

FAQs

Q   Can Artemis reproduce depth of field?

A   We wish. Realistically depth of field is a very nuanced characteristic, specific to aspects of lens design. The degree of depth and the shape of out-of-focus highlights depends on many lens design factors. Artemis helps to in replicating field of view only.

Q   My camera is not in the database. What do I do?

A   Create a custom camera. It takes a few minutes and you can match your format to Artemis very accurately, accounting for specific factors.

Q   Will Artemis make me look cool?

A   Absolutely. No doubt about it. Hipster cool.

Q   Does Artemis cover zooms?

A   Kind of. If you want to cover a zoom of a specific range, use one of the Generic Lens List lists to make a range that matches your zoom, with the degree of granularity you require. I've been busting to use the word granularity. Over that now.

Q   Why isn't 1.66:1 offered as an aspect ratio on all cameras?

A   We only cover the aspect ratios that manufacturers see as standard. Outside that, custom aspect ratios for a format are subject to many variables. In order to preserve accuracy, creating a custom camera is the best way for you to get accurate results.

Q   Artemis is crashing on me. What should I do?

A   First, uninstall Artemis. Restart your device. Install a fresh copy of Artemis directly from Google Play. If this fails to remedy the problem, email us immediately! We'll have you up and going in no time.