Depth of Field

Enter the **Subject Distance**, **Focal Length** and **Aperture**, and the DoF is automatically calculated along with percentages of focus depth in front of and behind the subject.

The calculated Total Depth and Hyperfocal distance are also displayed.

Apply button enters the Hyperfocal distance in Distance box to calculate the maximum DoF to infinity.

Change which stop increment is used to nudge Aperture in **Settings.** Increments are: All stops; 1/4 stops; 1/3 stops; 1/2 stops; or Full stops.

NOTE: As with all DoF calculators and charts these results are an approximation based on mathematical formulas. DoF is influenced by many factors, including: lens sharpness, object's distance from camera, film or video resolution, lighting, filtration, color, circle of confusion, lens' nodal point, final projection, degree of

sharpness of the scene, and distance from the viewing screen. Film tests or eye-focus should be used to verify results.

URL scheme: pcampro://DepthOfField



Notes for all tools:

Feet and Inches are entered by selecting the single quote symbol to highlight feet and the inch symbol to highlight inches. (**Imperial** must be set in **Settings**). Use the +/- buttons for quick changes, and the arrow buttons to jump to the next field.

Meters are entered with a decimal point – i.e. 4.512. (**Metric** must be set in **Settings**).

For on-the-fly-conversion, **Units** can be temporarily changed via the keyboard to ft,in - ft - in - m - cm - mm or um. After exiting the tool, however, this unit of measurement will revert back to the default Imperial or Metric length selected in Settings.

Camera Formats
Updated automatically from a server. See “Cameras Updated” in Settings for date and time.

Add cameras to Favorite list by swiping left to right on a camera in the list.

Create a custom format: In Camera Formats pick any camera to use as a template, then the **Manage** button on top right. In Manage Custom Formats touch the **+** button on top right. In Create Custom Format change any of fields and Save: Name – Category (Film, Video or Still) – Horizontal and Vertical – Circle of Confusion.

Create a custom CoC by switching on and entering a new value. Automatically turns off when selecting a new camera.

Focal Length entries in Depth of Field, Splits – Aperture Finder and Field of View are linked. Use option to unlink them in **Settings** if preferred.

Distance entries in Depth of Field and Field of View are also linked. Use option to unlink them in **Settings** if preferred.

Camera Formats are linked to Depth of Field, Splits - Aperture Finder, and Field of View. Changes to one also change in the other two.

Favorite Category and Widgets
Add tools to the Favorite List by swiping left to right on a tool in the list within pCAM app.

Your favorite tools will appear in the Favorite Category within pCAM, and also on Widgets on your device's Home Screen.

1) Perform a long press on the pCAM icon and your Favorite Tool List pops up.

2) Choose the small icon to display 4 of your Favorite tools. Choose large icon to display 8 of your Favorite tools.

3) On your device's Today View (swipe right on Home screen), and add a pCAM Widget to contain either 4 or 8 of your Favorite tools.

Tips for using pCAM Pro on Silicon Macs:

To Download:
Must be a Silicon Mac.

Go to the App Store on your Mac. Do a search entering “pCAM Pro,” then click on "iPhone & iPad Apps.” Download into your Mac’s Applications folder.

To Best simulate iPad:

1) Change pCAM Pro/Preferences on the Silicon Mac’s top menubar.

General - Change window size to either Smaller or Larger (default).

Touch Alternatives - Turn ON.

- Enables Muti-Touch for swiping and tapping.
- Drag enables your trackpad to pinch within Field of View Preview.

2) Rotate the app from Portrait to Landscape via the Mac’s menubar “View.” Can also be rotated by single clicking on a corner of the app and dragging to shrink or enlarge.

3) When entering a unit value in one of pCAM’s tools (i.e. Focal Length or Distance) an overlay will appear on the right side of pCAM Pro’s screen for Units, inches and feet, +/-, jumping between fields, etc.