Diopter

Used mainly to calculate the near and far focus distances of selected Diopter Powers.

In diopter calculations traditionally the **Object Distance** is measured from the diopter and not from the film plane.

Measure from the film plane to the diopter and enter it in **Film Plane to Diopter.**

Enter **Lens Limit** (minimum focus of particular lens). This Lens Limit is what will determine the nearest possible focus of any Diopter.

NOTE: If you change this value you will most likely get a warning because the previous calculations were based on a different **Lens Limit**. If so, change **Lens Focus** to a value greater than the new **Lens Limit**, and/or change the **Diopter to Subject** to a distance within the new **Near** and **Far** results.

Choose **Lens Focus** on the top button to calculate where to set the barrel of the lens.

The result also gives the focus range (Near and Far distances).

Choose **Diopter Power** on top button to calculate which diopter power to use.

Diopter Power is entered in decimals – i.e. .5, 1, 2, 3…. **Lens Focus** infinity is entered by touching the infinity symbol on the keypad.

The result also gives the focus range (Near and Far distances).

Choose **Object Distance** on top button to calculate what the object distance should be to fit within range of diopter.

The result also gives the focus range (Near and Far distances).

URL scheme: pcampro://Diopter



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**).

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.