Speed Booster® Adapter

Speed Booster® Adapters reduce the Focal Length and boost the Aperture (allowing a full frame lens to be mounted on a APS-C or Micro Four Thirds mirrorless camera). There are 2 functions of this pCAM tool, and they work independently of each other.

Function 1:
Calculate new reduced Focal Length and boosted Aperture based on chosen adapter (magnification factor).

Choose adapter, then enter Master Lens **Focal Length** and starting **Aperture**. These **Reduced Lens** results should then be entered manually into any of the other tools which require Focal Length and/or Aperture.

Example: With a Speed Booster® 0.71x a 50mm lens becomes a 35.5mm and an f/2.8 becomes an f/2. You would manually enter 35.5mm and f/2 into the Depth of Field and other various tools.

Function 2:
Create a custom camera profile with an adapter attached for use in these tools: Depth of Field – Splits-Aperture Finder – Field of View – Focal Length Match. Choose the custom camera in any of these other tools, and it will do the calculation with the Reduced Focal Length and Boosted Aperture values automatically entered "under the hood."

Example: In Depth of Field tool choose a custom camera with a [0.71x] adapter "tag" attached. If you're using a 50mm, then enter 50mm into Focal Length. If your given stop is f/2.8, then enter f/2.8 in Aperture. The tool will do the calculation automatically "under-the-hood," as if the lens was actually a 35.5mm and the stop was f/2.

Creating Custom Camera with adapter: 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 choose which adapter to add and Save.

NOTES:
It's unnecessary to rename the camera format, an adapter tag will be automatically added – example "Camera Name 4K - 1.78 • [0.71x]"

These custom formats with adapters can only be created in this Speed Booster® tool, but can be used anywhere. They can be deleted in the Custom category within Camera Formats, e.g. Depth of Field tool.

Custom Speed Booster® Adapter cameras chosen on Relative Size tool will display the camera's actual sensor size (not as an "enlarged" sensor).

Custom Speed Booster® Adapter cameras cannot be chosen in the Macro tool.

URL scheme: pcampro://speedBoosterAdapter



Notes for all tools:

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.

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.