

SnoopX

A pixel inspector for macOS with HDR support

SnoopX captures raw pixel R, G, B values and reports them for the pixel under the red square — 8-bit integers when in SDR mode, 16-bit floats when in HDR mode — at the bottom of the window.

Magnification

Set magnification to 1x, 2x, 4x, 8x, or 16x.

Capture Control

- Freeze or unfreeze the capture location.
- Update the capture once (while frozen).
- Nudge the capture location by one physical pixel.
- +arrow Nudge by 10 pixels.

The window can be expanded or shrunk by grabbing its edges or corners. If you want to simultaneously inspect two locations, make a copy of the app. Near the edge of the screen, a checkerboard indicates pixels beyond the screen.

SDR and HDR Display

- Auto — choose Standard Dynamic Range (SDR) or High Dynamic Range (HDR) based on display capability.
- SDR — pixel values reported in the range 0–255.
- HDR — pixel values reported in f-stops, where 1.0 = 256, as in Adobe Lightroom.

EDR Rendering

- Gamma — matches what you see on screen, but clamps to the display's dynamic range.
- Linear — can display any dynamic range, but washes out colors.

Scanline Plots

Drawn inside the snoop window along the indicator row or column. Press the hotkey again to turn the plot off, or press to turn off any plot.

- Horizontal plot of pixel values along the indicator row.
- Vertical plot of pixel values along the indicator column.
- Horizontal step plot (one bar per pixel).
- Vertical step plot (one bar per pixel).
- Show or hide the indicator line marking the plotted row or column.

Color Plots

Opens a popup window that re-renders whenever the snoop window updates, showing the distribution of all pixels currently in the snoop window. Press the hotkey again to turn the plot off, or press **o** to turn off any plot.

- c** Color vectorscope — hue-saturation-value scatter plot of all snooped pixels.
- w** Color waveform — chroma trail by column.
- h** Color histogram — per-channel pixel distribution.

Statistics and Swatch

- i** Show or hide statistics (min, max, mean, median) for all pixels in the window.
- s** Display a swatch of the snooped color.

Plot ordinates follow the display mode: 0–255 for SDR, f-stops for HDR.