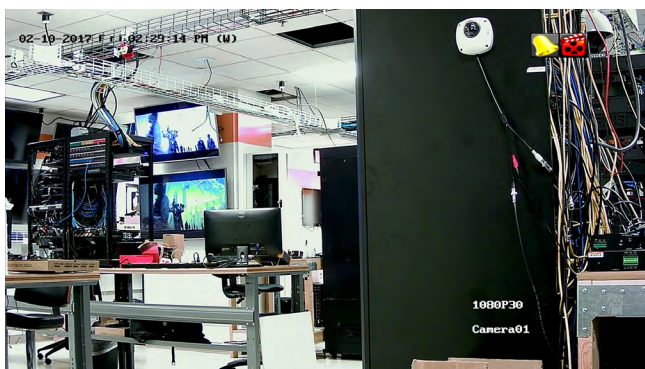# Using HD-TVI Baluns

Overview

This document outlines image comparisons between an HD-TVI balun and a direct RG59/6 coaxial connection, possible scenarios for image issues, and how to tweak the camera to resolve any sort of image issues. **This can only be adjusted using the local UI.**

Image Comparison

Below is an example of the image with RG59 and a local power supply.

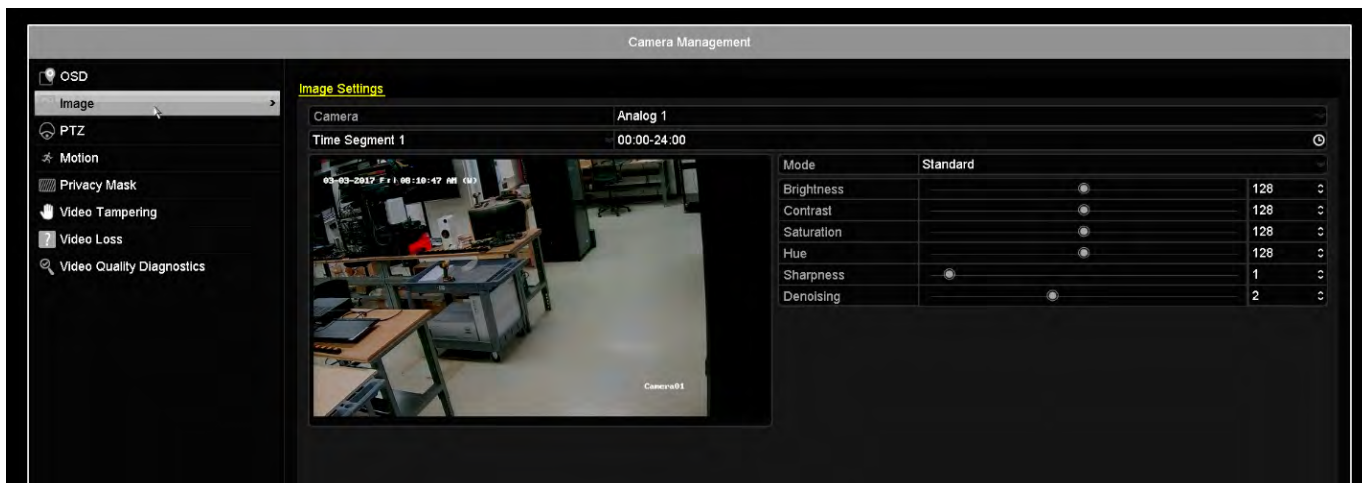The following image is with an HD-TVI balun with power going through the balun.

The length of the category cable affects the quality of the image. The above image has a 298-ft Cat 5 cable connected to the HD-TVI balun, with power passing through the balun.

Image Adjustment

As demonstrated by the variance shown above, image adjustment may be required for optimal image quality. Configure this using the DVR's local interface by navigating to **Settings > Camera > Image**.

At SnapAV, we've seen the following image-adjustment scenarios: dark image, color shift, and ghosting, (a replicate or mirrored image of single objects). These can be addressed by adjusting the brightness, contrast, and saturation as needed for the specific application.

Here's the standard, unaltered image when using the HD-TVI baluns.

Below this image is an example of the same image tweaked within the DVR image settings.