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### Improve Image Quality and Reduce Noise Using Temporal Averaging

IMPROVE IMAGE QUALITY AND REDUCE NOISE USING TEMPORAL AVERAGING.

White Paper

The following document describes how use of the image averaging property, which can be found in MATRIX-VISION cameras of the mvBlueFOX3 and mvBlueCOUGAR-X families, can improve image quality through the temporal averaging of images. This is fundamentally different to image processing algorithms e.g. low pass filtering or mean filtering of single images which also lead to loss of details in an image.

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