Imaging Pipeline Reconfiguration for UAV-Based Correlation Filter Tracking

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Outline

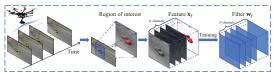
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General tracking structure of DCF-based methods onboard the UAV platform¹:

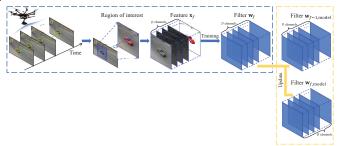


which can be divided into the training stage, model update, and detection stage.

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¹Changhong Fu et al. Correlation Filters for Unmanned Aerial Vehicle-Based Aerial Tracking: A Review and Experimental Evaluation. 2021. arXiv: 2010.06255 [cs.CV].

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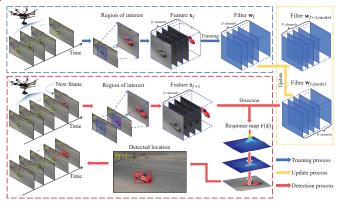


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Object Tracking System

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Introduction

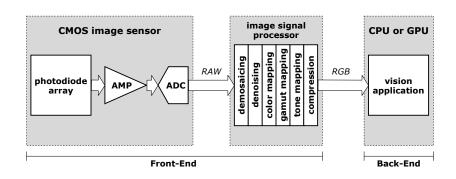


Figure 1: Object Tracking System

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Highlights

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Thanks!

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