

Imaging Pipeline Reconfiguration for UAV-Based Correlation Filter Tracking

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Object Tracking

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Object Tracking System

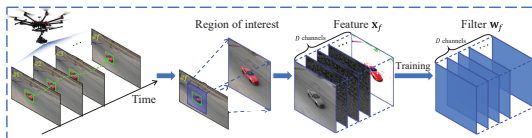
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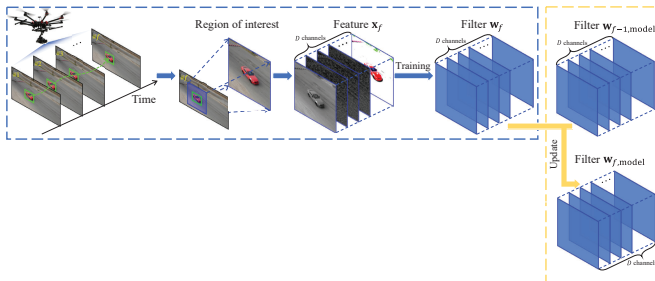
General tracking structure of DCF-based methods onboard the UAV platform¹:



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

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

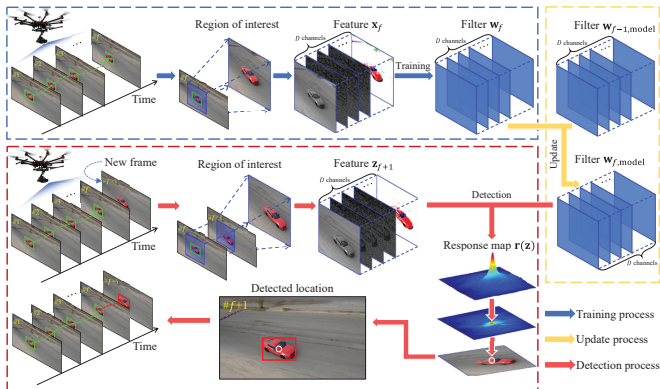
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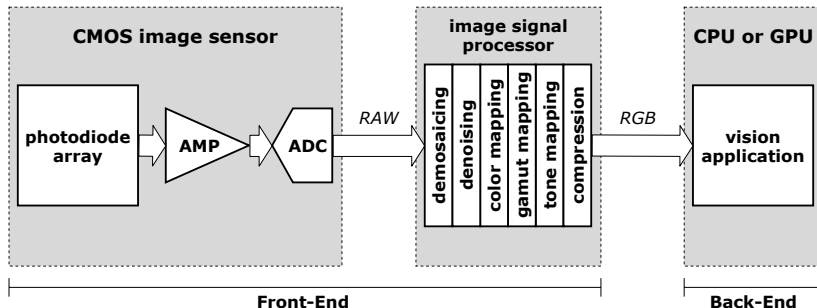


Figure 1: Object Tracking System

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Thanks!