



## SOFTWARE FEATURES

<b>Camera Interface</b>	16b monochrome for LWIR/MWIR, 24b RGB/BGR for visible
<b>Fine Grained Classification (AI)</b>	Progressive classification discrimination based pixels on target (ex. Vehicle -> Small Truck -> F150)
<b>Moving Target Indicator (MTI)</b>	Detection of small moving targets from stationary or non-stationary video
<b>Multi Object Tracker</b>	Lightweight, signal-processing based tracker reduces false positives and maintains target lock between frames in the absence of detections. Image-plane and ground-plane configurations available. (thermal and EO)
<b>Object Detector (CNN)</b>	40+ detection classes including: vehicles, humans, animals, boats, signs, Pre-trained DNN models for: ground ISR, air-to-ground applications, counter UAS and automotive. Other models on request. (thermal and EO)
<b>Single Object Tracker</b>	Auto tracking of user selected moving or fixed target
<b>Support Contract</b>	Support with software integration and optimization on client hardware (on demand)
<b>Supported Hardware</b>	Qualcomm: Snapdragon 8 gen 1 (RB5/QRB5165) & Snapdragon 8 gen 2 (QCS8550); NVIDIA: Jetson Xavier & Jetson Orin; Other Qualcomm and NVIDA HW on request.
<b>Synthetic Data Generation</b>	Synthetic object and scene generation for rare or classified classes/backgrounds (on demand)

Specifications are subject to change without notice.  
For the most up-to-date specs, go to [www.flir.com/prism](http://www.flir.com/prism)

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