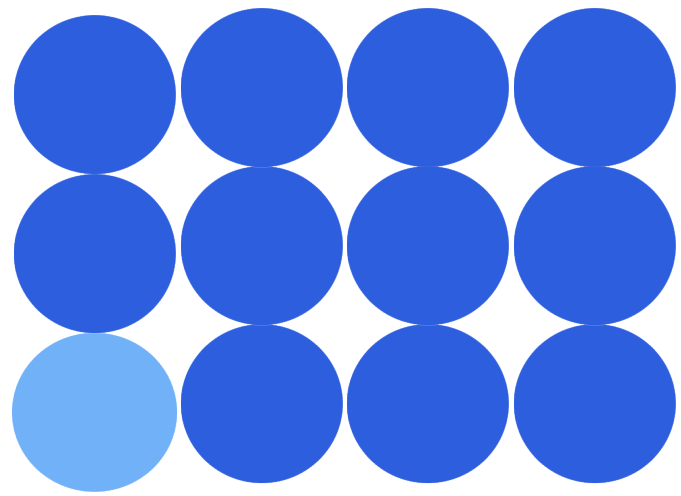


DDC's Tracker Datasheet



Features

- Light-weight, compact, and high powered.
- Advanced signature-based per-processor for rejecting clutter.
- Reduced Integration Time
- Multiple Target track engine
- Minimized operator workload
- Rugged embedded design available in standard and custom form factors.
- High Definition and digital sensor support
- Feature co-processor for advanced symbology and system management
- Captures video input from multiple sensors (VIS, IR, I2)
- Customized solutions available for more advanced tracking

Digital Design Corporation's Tracker is a new generation high performance multiple target tracker with unique capabilities for enhancement, stabilization, and video fusion.

DDC's Tracker

The is a new generation multiple target tracker that greatly extends tracking performance in a size and weight and power optimization package. Several years of video tracking experience has been distilled to make it the ideal choice for both end-user and system integrator.

New advanced with enhanced discrimination of targets from background clutter and new multiple target track software with concurrent multiple target detection, cueing and tracking combine to offer outstanding performance in challenging tactical scenarios.

This card is particularly well suited to applications where size and weight are critical, such as unmanned vehicles and compact electro-optical systems.

Careful consideration has been given to automating operation. The enhanced user interface, automated functions, and advanced high resolution full color symbology combine to significantly reduce operator workload, monitoring and tracking targets reliably with minimal operator interaction.



Digital Design Corporation

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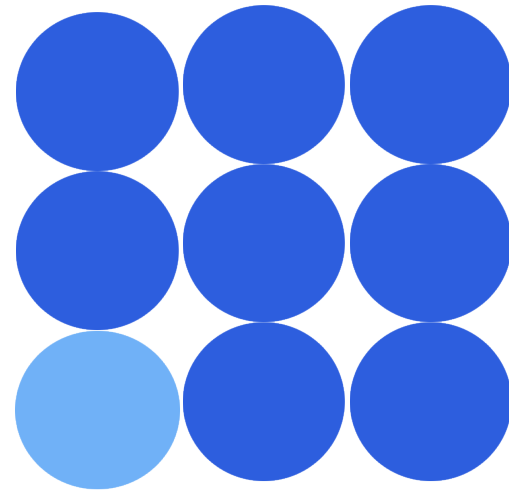
Performance

DDC's Tracker device is field proven on military and civilian platforms on land, sea, and air. image processing products incorporate the benefits of unrivalled application experience. DDC's Tracker Device has been optimized to perform real-time target detection and tracking across the full range of military electro-optical system applications. Whether integrated in air-to-ground, ground-to-ground, ground-to-air, or naval electro-optical systems, the new Tracker algorithms at the heart of the Tracker provide effective detection and tracking against the full spectrum of targets.

Discriminating targets at longer ranges is aided by a number of factors that include improved optics, precision platforms dynamics and higher resolution sensors. DDC's Tracker natively supports high definition video, whether infrared or visible spectrum, arriving via a selection of the latest digital interfaces.

The new multiple target track manager is designed to be resilient where targets utilize ground features to obscure the line of sight or deploy decoys to seduce tracking systems. It distinguishes situations where numerous targets undertake coordinated evasive maneuvers, handling crossing and and temporarily obscured targets. It provides the ability for the operator to determine target priority.

DDC's Tracker is not limited to analysis of sensor signals.
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Product Integration

The combination of small size and lower power consumption provide the performance of a multiple board tracker in a SWaP optimization module. This simplifies colling requirements allowing the unit to be fitted into compact systems such as airborne pod applications. Here the drive is to integrate all system electronics into the gimbal assembly thereby removing the requirement for separate electronics assemblies.

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