

# Video Capture & Tracking System

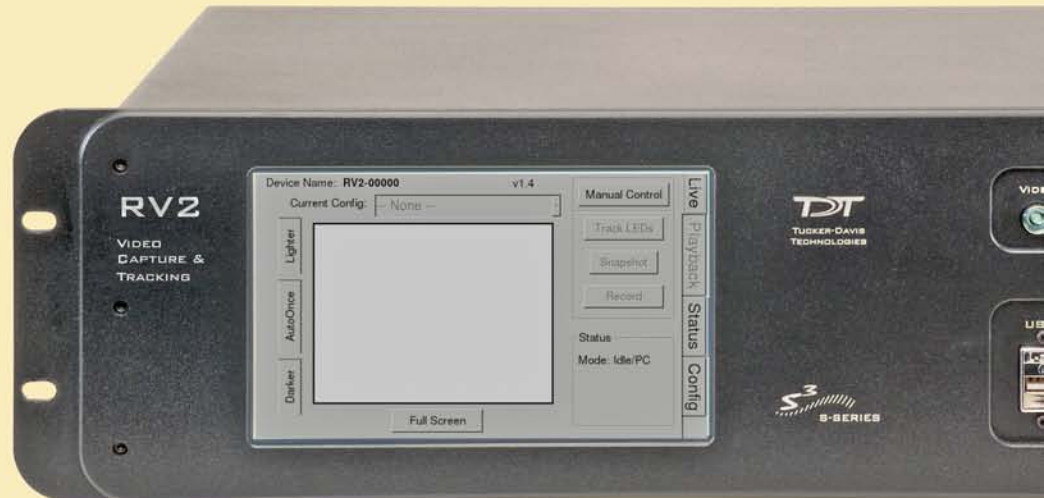
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Precise synchronization  
for frame by frame  
correlation between video  
data and other recorded  
system signals

Robust target tracking

Real-time positional  
information

Image data storage



The system is comprised of a machine vision color camera and dedicated video processor and collection device. Video is streamed from the Gigabit camera to the RV2 collection device where it is processed and stored. Camera framing and control is precisely synchronized to the collection system allowing frame by frame correlation between video data and other recorded system signals.

A number of methods support robust target tracking including red/green LEDs mounted on the ZIF-Clip headstage. Positional information is available in real-time and can be sent to an RZ device for storage. Image data is optionally stored on dedicated hard drives within the RV2.

The RV2 is recommended for use with TDT systems but can be used independently with a number of interface methods.



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