FLIR pHSDR

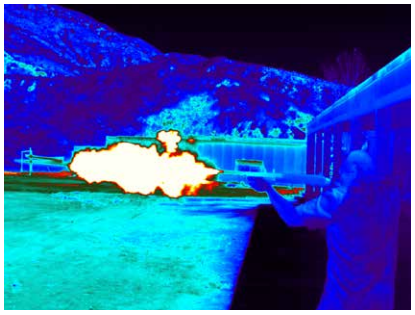
Portable High Speed Data Recorder Never Misses a Moment

FLIR's ResearchIR Portable High Speed Data Recorder (pHSDR) is the perfect solution when you need to record for extended periods and can't afford to lose any data. Record the maximum frame rate for long durations – with zero dropped frames – while simultaneously viewing the imagery live, performing analysis in real-time, and controlling the camera.

Full Frame Rates, Zero Dropped Frames

Solves traditional performance limitations of recording to a computer

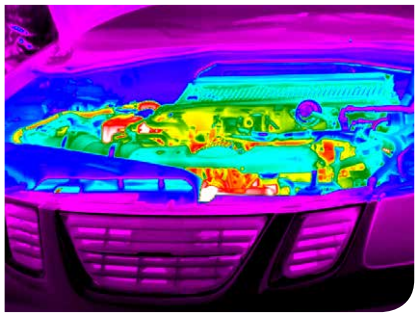
- Portable system, capable of recording at the camera's maximum frame rate over extended periods
- Full Metadata is saved with every frame recorded, including IRIG-B time stamp
- Never worry about missing data because of dropped frames



Advanced Input and Analysis Tools

Real-time camera control, live imagery, and up-to-the-moment data analysis

- pHSDR equipped with ResearchIR Max Software, capable of collecting, recording, displaying, calibrating, and analyzing images
- ResearchIR supports recording over CameraLink, GigE, USB, and CoaXPress ports; HSDR recording over CL and CXP ports
- Real-time image display via Gigabit Ethernet while recording at maximum frame rate



Classified Data/Secure Operation

Secure access with removable solid-state hard drive or easy access through download module

- Removable solid-state hard drive shuttle allows for quick reconfiguration and declassification
- Multiple drive shuttles allow for quick reconfiguration between tests
- Download module available for easy file access and data reduction at your desk

Specifications

ExaminIR Portable High Speed Data Recorder (pHSDR)	
Dimensions	325 x 165 x 522 mm (12.8 x 6.5 x 2")
Weight	1.4 kg* (3.1 lbs.)
Case	Black, aluminum
Power	14-34 V DC, < 35 W*
High Speed Data Interfaces	Camera Link Full or CoaXPress to pHSDR (megapixel or high speed IR camera) Camera Link Base to pHSDR (640 x 512 or smaller) Gigabit Ethernet from camera to controller eSata from pHSDR to controller
Command & Control / Real-Time Display	Gigabit Ethernet from camera to controller eSata from pHSDR to controller
Capacity	pHSDR Base – 512 GB standard / 1 TB max pHSDR Full – 1 TB standard / 2 TB max*
Time Stamp	IRIG-B
Data Acquisition Package	FLIR ResearchIR Max Software
Available Configurations	Desktop or rack-mount in Camera Link Full or Base or CoaXPress
Common Accessories	Download module for connecting drives to analysis computer Spare drive modules

*4 x 512 GB drives are the largest SSHDs currently available

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