

CePOINT Networks, LLC

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Manufacturers of Rugged Portable & Airborne
 DVR systems w/IRIG-B time stamp

Studio9000™ DVR IRIG-B**Real-time Digital Video Recorder (DVR) system for robust scientific image acquisition and analysis**

Studio9000 DVR system performs with blazing speed, featuring uncompressed (or compressed) real-time video capture and recording with optional precision IRIG-B time stamping and GPS interface capabilities. Standard digital or composite analog video acquisition in color NTSC/PAL, SECAM, RGB YCrCb 4:2:2, or in monochrome format – CCIR (625 lines) and EIA (525 lines) – are supported. Optional SDI is also supported. Up to 240 fps (analog), and very high-speed digital video up to 1280 x 1024 resolution and 30 fps up to 500-1,000 fps (digital) is possible. Other features include: simultaneous capture/playback of four video streams; up to two or more channels of real-time simultaneous record and play; unlimited multicam editing and reediting of captured video without degradation or frame loss; captures continuous real-time video directly to system hard disk or memory; compact, rugged 2RU, 3RU, or 4RU MIL-COTS format; capture and stream directly to disk at up to 528 MBps. Capture directly to system hard drive from different video formats and sources supported by Studio9000 DVR. Monochrome or color at 8 bits, 10 bits, 12 bits, 14 bits, and more, including area scan, progressive scan, and line scan. Optional interface features include analogue BNC, Digital LVDS, CameraLINK, USB, and 1394 FireWire cameras.

Applications:

- Airborne video recording
- Object tracking and time reference measurement
- Missile range testing
- Endless video program looping
- Security recorder/player
- Bullet explosion testing
- Industrial monitoring
- Portable field production
- Desktop video capture station
- Surveillance recorder

Studio9000 DVR greatly simplifies the process of time referencing object position and timing measurements by integrating real-time video acquisition, real-time IRIG time stamp, and GPS position data.

**FEATURES:**

- Capture continuous real-time video directly to hard disk at up to 528 MBps; 8-bit, 10-bit, 12-bit, 14-bit, 24-bit mono or color
- Analog RS-170, NTSC/PAL, RGB, and digital LVDS, CameraLINK, USB, FireWire 1394, and RS-644 or RS-422 camera interface options
- Video resolution: 640 x 480, up to 1280 x 1024 pixels; compressed or uncompressed video formats include: AVI, MJPEG, optional MPEG-4
- Digital clock circuitry; capture high-speed, high-resolution images from RGB or composite; progressive scan, line scan, and area scan
- Optional SDI video I/O (SMPTE 259M, 270 Mbps) with embedded AES/EBU audio
- IRIG-B and GPS formats include: Time code generator, IRIG receiver, ANT BNC input connector, and DB-9 pin RS-232 connector
- Real-time simultaneous capture of up to four channels; stream video directly to hard drive, memory, or display output
- RAID 0 storage with capacity up to 4.8 TB option, and expandable with CePOINT's optional NAS RAID storage for extended duration of video
- External event triggers; up to 4- or 8-channel digital I/O for programmable triggers
- External interface ports include: RJ-45 Ethernet, 1 x PS2 keyboard, 1 x PS2 mouse, VGA, RS-232, or RS-422
- Support for Region of Interest (ROI) video manipulation, packed and planar; YUV 4:2:2
- Rugged MIL-COTS format; lightweight, rugged 19" 2U, 3U, or 4U rack mount, airborne or portable with 24 V or 28 Vdc option

■ For more information, contact: sales@cepoint.com

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