

DRS50 Digital recording system

Uncompressed real-time image recording solution

RECORD VIEW

EXPORT

REPLAY

SIMULATE

- ▶ 200GByte storage
- ▶ Removable disks
- ▶ 50+MB/s
- ▶ LVDS input
- ▶ Cameral Link input
- ▶ LVDS output
- ▶ Flexible software
- ▶ Auxiliary data options



Record

Record to disk with a single click, or set-up a hardware trigger to start recording. Define multiple video files to hold separate recordings

View

View live sensor video, preview video while recording and playing. Image display is on the system monitor. Lookup tables can be applied to map high dynamic range 16 bit image data to 8 bit display. Apply false colour.

Edit

Browse through the recording to select frames of interest. Play selected sub-sequences. Delete unwanted frames.

Export

Export selected frames to system disk, CD, external storage device or network server in a range of file formats including 16 bit.

Replay

Play selected sequences to display and digital output.

Simulate

Import synthetic image frames to a video file and play out to the digital port to simulate the sensor.

Specifications

General

Power supply	110 – 240 Vac universal, 450W
Dimensions	4U 19" rack mountable 431 x 178 x 558 (WxHxD mm)
Weight	26 kg (system unit only)
Standard Peripherals	Keyboard, optical mouse, 19" TFT monitor
Standard interfaces	Gigabit Ethernet (10/100/1000), USB2

Environmental

Temperature	5 to 40°C,
Humidity	80% non-condensing
Protection	IP20

Digital video input

LVDS Signal standard	Compatible with IEEE 1596.3 SCI LVDS standard, and conforming to ANSI/TIA/EIA-644 LVDS standard.
Camera Link	Base
Data width	Up to 16 bits
Connector	68-pin AMP p/n 749111-6
Max pixel clock rate	80MHz
Max data rate	>50MByte / sec

Digital video output

Signal standard	Compatible with IEEE 1596.3 SCI LVDS standard, and conforming to ANSI/TIA/EIA-644 LVDS standard.
Data width	Up to 16 bits
Connector	80-pin AMP p/n 787190-8.
Max pixel clock rate	80MHz
Max data rate	>50MByte / sec
Storage capacity	210 GBytes
Video display	System monitor

Options

DVD recorder	Internal multi-format DVD writer
External disk	250 GByte external USB2/Firewire disk drive
Analog video input	PAL, NTSC, SECAM recording
Auxiliary data inputs	Analogue and digital auxiliary data can be stored with video
Spare video disk pack	Additional video disk sets
Transit cases	

NOTES:

1. Data cables not included
2. This system is industrial grade IT equipment

