

# SAT 3000 TRANSPORT™

More data, Better proxy, Faster workflow

powered by **SAT** Smart Acquisition Technology™

**NLT's Smart Acquisition Technology revolutionizes the High Definition non-linear acquisition process with SmartLogging™ - apply constrained metadata to your video in a tapeless Avid DNxHD™ Digital Video workflow...**

*The Transport, powered by SAT Technology, targets the needs of the broadcast, film and production industries by providing richer metadata entry, a more powerful process for capturing video and acquiring data by recording digital, and staying digital through-out the entire process.*

*The Transport captures digital video direct to disk with no generation loss. With an easy-to-use color touch screen interface, the Transport is the DVR of choice in the industry, accepting HD-SDI video, 422 deck control and real-time metadata entry using the Multi-Transport Controller (SAT-MTC using a TCP/IP network).*



Simultaneously create Windows Media™ formatted content as a proxy while recording high resolution media



MXF™ video file format, an open industry standard that provides for embedded metadata.

## Features:

- **Incorporates SmartLogging™ and CamCutter™** Technology
- **Proxy (Option)** Simultaneously record high resolution and Windows Media™ video content to a FieldPak
- **AC or DC power** automatically switches to DC operation when power fails
- **FieldPak®** compatible with 160GB and Solid State FieldPaks
- **HD-SDI video input** built-in down converter provides SDI and Composite output connections
- **4 channels of digital audio** input and output, select from SDI embedded audio or AES audio
- **Touch screen interface** built-in confidence monitor and speaker
- **2 FieldPak bays** provide over 5 hours of video storage
- **Deck control** Sony BVW or SAT-MTC
- **EZ-Metadata keyboard entry**
- **Lightweight** under 10lbs



## Benefits:

- **Ready to use** Avid high resolution and Proxy video, edit faster with metadata
- **Faster workflow** by capturing direct to FieldPaks and eliminate digitizing
- **Annotate Live** capture metadata during video acquisition
- **Native Avid DNxHD™ "Professional Grade"** recording without generational losses
- **Multiple video formats**  
1080 50i /59.94i  
1080 23.976P  
720 50P /59.94P
- **Preview/Playout video** on LCD TFT immediately after acquisition
- **Large capacity recording**, over two hours of video on each 160GB FieldPak

## Post Production:



Use multiple Transport recorders with

- **Retro-Loop™** recording and live constrained metadata entry with a wireless network
- **Interoperability** using MXF™ open file format, supports multiple NLE workflows

# SAT 3000 Specifications



## HD Video

HD SDI Video In BNC, SMPTE 292M  
 HD SDI Video Loop Out BNC, SMPTE 292M  
 HD SDI Video Out1, Out2 BNC, SMPTE 292M

## Compression

Avid DNxHD™ Bit rate: 220mbps at 1080/23.98P  
 145mbps at 1080/59.94i, 1080/50i, 1080/23.98P, 720/59.94P, 720/50P  
 WM9 (optional) SD Proxy frame accurate from 350kbps to 3 mbps

## Video Down Converter

The internal HD down converter produces 3:2 pull down when 23.98FPS input is received. Down Converter quality level is monitor grade.  
 Composite Video Out BNC, 1.0V-PP, negative sync, terminated at 75 ohms 525/60 NTSC, NTSC-J or 625/50 PAL  
 SDI output BNC, SMPTE 259M

## Genlock

The HD SDI video output will be Genlocked to a Black Burst source or a Tri-Level Sync source. The Genlock input shall be looped through to an output BNC using a passive circuit.

## Timecode

Timecode is derived from one of two sources the embedded TC in SDI or the LTC input. The unit may also generate timecode as a master.  
 HD SDI Embedded TC IN/OUT [SMPTE RP188]  
 LTC IN BNC, analog TC  
 LTC OUT BNC, analog TC

## Audio

Four channels of audio are recorded by selecting from the 8 audio inputs: AES CH1234 or SDI Embedded CH1234.  
 Embedded HD SDI audio 4 CH, 16 bit, 48khz, embedded input and output stream  
 AES Digital Audio In 4 CH, 16 bit, 48khz, AES digital input BNC x2  
 AES Digital Audio Out 4 CH, 16 bit, 48khz, AES digital output BNC x2  
 Speaker Mono Mix of left and right headphone selections  
 Headphone Analog Stereo Output, Left mix of CH1/CH3, Right mix of CH2/CH4, +0dBu Nominal, Low Impedance, Variable output, Headphone replaces speaker output when ¼" phono headphone plug is engaged.

## Interfaces

Deck Control DB9 Sony Slave VTR emulation  
 Ethernet RJ45 100baseT, deck control, real-time metadata entry using  
 RS232 DB9 Maintenance Port  
 USB 2 TYPE A connectors, USB 2.0, keyboard and disk support

## Power

Front panel on/off switch, rear panel AC power switch  
 AC operation 100 – 240VAC, 50/60Hz  
 DC 11-17VDC, XLR 4 pin, secondary priority to AC operation  
 Power Consumption 40 Watts

## Dimensions

7.5 x 8.5 x 15 inches

## Weight

Approximately 10 lbs