

SAMMA Solo™ Technical Specs

SUPPORTED TELEVISION STANDARDS

NTSC, PAL, SECAM, PAL-N, PAL-M

REPRESENTATIVE TAPE FORMATS

Including but not limited to:

- 2" Quadrex
- 1" Type A, B or C
- 3/4" U-Matic
- Betacam, Betacam SP/SX, Digital Betacam, IMX
- VHS, S-VHS
- Video-8, Hi-8
- DV

SERIAL VTR CONTROL

Sony 9pin RS422 Protocol for source vtr (1)
Sony 9pin RS422 Protocol for record vtr (3)

VIDEO / AUDIO INPUTS

SDI (CCIR 601 with embedded AES/EBU audio 4 ch 16 bit PCM) (BNC)
Analog Composite CVBS (BNC)
Analog Component Y/PB/PR (1) (3xBNC)
Y/C (1) (S-VIDEO connector)
RF carrier level (U-Matic only) (BNC)
4 channels Balanced Analog Audio (4xXLR)

VIDEO / AUDIO OUTPUTS

SDI (CCIR 601 with embedded AES/EBU audio 4 ch 16 bit PCM) (BNC)
Composite video (BNC)
Analog Component Y/PB/PR (3xBNC)
Y/C (S-VIDEO connector)

TIME CODE INPUTS

LTC (1) (XLR)

SIGNAL PROCESSING

SAMMA Analysis Engine™ Selectable functions include:
RF Dropout Compensation (U-matic only)
Full Frame Synchronizer
Time Code Generator
Signal Analyzer
Digital Comb Filter
AGC (Auto Gain Control)
ACC (Auto Chroma Control)
CTI (Chroma Transition Improvement)
NR (Digital Noise Reduction)

COMPUTER INTERFACES

Analog VGA output (HD15F 15-pin connector)
Digital VGA output (DVI-D)
PS/2
3.5mm stereo audio out (Proxy monitor)

NETWORK INTERFACE

10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)

MULTIPLE CHANNELS

Up to 16 SAMMA Solo™ channels may be controlled by any SAMMA Solo™ using IP.

STORAGE

Internal Cache - 1 TB RAID 0 array
STANDARD PERIPHERALS
Full-size 102-key Keyboard
2-button mouse

OPERATING SYSTEM

Windows XP

OPTIONAL ENCODER PACKAGES

Per ingest/migration channel, priced separately:

SAMMA JPEG2000 Encoder/Decoder (Product Code MJ2)

8/10 bit JP2/J2C encoding in MXF container.
Reversible 5x3, Irreversible 5x3 / 9x7, lossless or lossy.
SDI output (CCIR 601) with embedded audio, plus 4 AES outputs.

SAMMA Multi-format Encoder (Product Code SME)

Several formats can encode simultaneously depending on bitrates and codec profiles. 50 Mb/s is typically the highest bit rate used for Standard Definition, contact Front Porch Digital if higher bitrates are required for certain ATSC, DTH, DVB-T or Cable. NTSC Closed Captioning is preserved in Line 21.

ENCODERS AND CONTAINERS INCLUDE:

- Uncompressed YUV, .avi and .mov,
- QuickTime 7
- Flash 8
- MPEG-2 MP@ML 4:2:0 and 4:2:2 (D10, SMPTE 356M, IMX)
- MXF, Uncompressed or MPEG-1/2/4
- H.264, Baseline Profile through Main Profile Level 2.mp4
- MPEG-2.vob and audio chapter-files (DVDs for TV)
- DV.mov (Quicktime) and .avi (Windows, DirectShow)
- MPEG-1, Windows Media 9 (VC-1), and Real Media

OPTIONS FOR SME ENCODER:

Advanced Transport Stream (Product Code ATS)
For broadcast applications requiring detailed MPEG settings SME includes basic Transport Stream multiplexer

Corporate Headquarters

2011 Cherry St., Suite 204
Louisville, CO 80027
+1 303 440 7930

International Headquarters

4bis, avenue du Pré de Challes
74940 – Annecy-Le-Vieux, France
+33(0) 4 50 88 37 70

New York Field Office

450 West 31st Street, Fourth Floor
New York, NY 10590
+1 646-240-4045

International Field Offices

France +33 (0) 1 34 89 15 99
India +91 9818996603
Singapore +65 3110 3311

SAMMA Solo™ Technical Specs

OPTIONAL ACCESSORIES

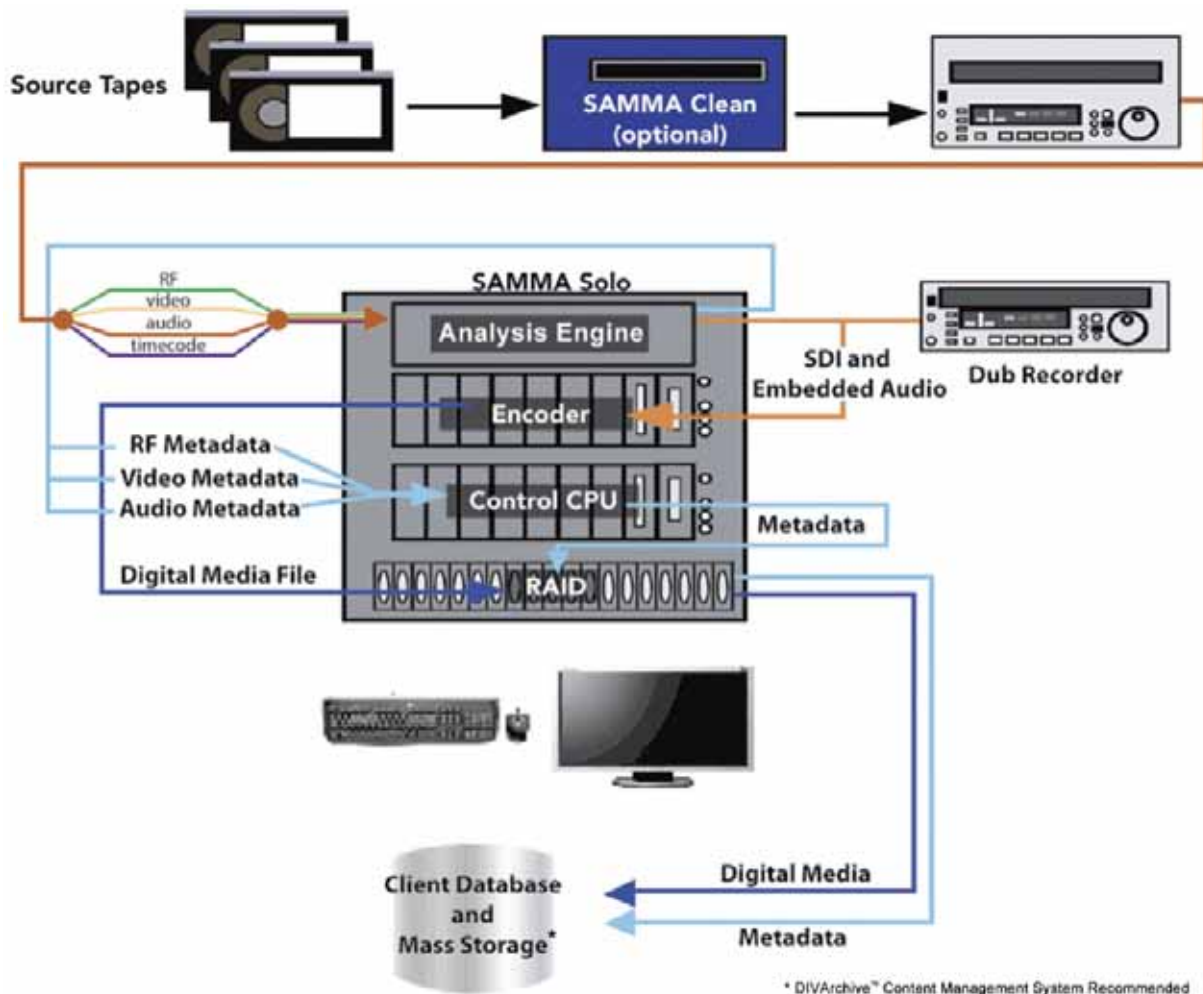
SAMMA JPEG2000 MXF Player™ card

- Decoder-only hardware with SAMMA software for use in stand-alone playback station.

SAMMA Prep™ Videotape Accessioning and Inspection Station
 SAMMA DBS-1 SQL Central Database Server
 Barcode Scanner
 LCD Monitor

SAMMA Clean™: Archive Quality Videotape Cleaner

- for U-Matic, Betacam and VHS
- Cleans tapes and winds them to proper tension before ingest/migration, detects physical problems
- Uninterruptible Power Supply



© 2008 Front Porch Digital.
 Specifications subject to change
 Specs Code: 1108SS

Corporate Headquarters

2011 Cherry St., Suite 204
 Louisville, CO 80027
 +1 303 440 7930

International Headquarters

4bis, avenue du Pré de Challes
 74940 – Annecy-Le-Vieux, France
 +33(0) 4 50 88 37 70

New York Field Office

450 West 31st Street, Fourth Floor
 New York, NY 10590
 +1 646-240-4045

International Field Offices

France +33 (0) 1 34 89 15 99
 India +91 9818996603
 Singapore +65 3110 3311