BLT
E' ITALIANO

VIDEO SERVER

Instant Replay
Play List HighLights
Live Editing
Super Slow Motion
Networking
HDTV FULL 1920x1080i SDTV
3D-HDTV

for **Studio**
for **OB-Van**
for **Sports** and more ...

SMS-4U

8 channel HDTV Broadcast Video Server

- ✓ SIMULTANEOUS Recording and Playback: 4 inputs and 4 outputs
- ✓ HD-SDI / SD-SDI inputs/outputs, with monitor downconverters built-in
- ✓ SDI inputs active loop and monitor downconverter built-in
- ✓ High definition / Standard definition switchable and multiformat
- ✓ High video quality: full **10-bits 4:2:2** JP2K compression process
- ✓ Full HDTV raster resolution up to **1920x1080i** unscaled
- ✓ **HDTV Super Slow-Motion** compatible with x2 and x3 speed cameras
- ✓ **3D-HDTV**, full 1080p and Video & Key support through dual link
- ✓ Transition effects (dissolve and wipes)
- ✓ Re-Play, Slow-Motion, Clip management, High Lights, Play list ...
- ✓ Loop Recording with real time clip protection
- ✓ Embedded, AES/EBU and Analog Audio interfaces
- ✓ LTC and ATC Time Code
- ✓ Flexible internal audio router
- ✓ Internal storage with RAID level 5 data protection
- ✓ Latest generation 2½" SAS HDD
- ✓ HDD removable bay for material exchange or archive
- ✓ Networking through LAN Gigabit, dual port
- ✓ A/V material exchange as MXF, MOV and AVI with most popular NLE
- ✓ Hot Swap redundant PSU
- ✓ *BLT* Hardware and Software technology

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Specifications and Features

➢ Video

Video Inputs:
4 x SDI (HDTV/SDTV)
with active loop-through
Video Outputs:
4 x SDI (HDTV/SDTV) with dual output
4 x SDI (Down Converted), with on-screen display
4 x SDI input monitor with down converter
Gen. Lock:
Automatic with Black Burst/composite video, or
tri-level sync, with Hi-z for loop-through
TV Standards:
1080i/50   1080i/59.94   625i/50   525i/60
SMPTE 259/274/292 (296 TBD)
Compression:
Full 10 bit precision, 1920x1080 unscaled process
4:2:2 JP2K I-frame only, VBR Constant Quality
with data rate up to 150 Mbit/Sec each channel.

➢ Audio

Inputs:
4 mono channels (2 stereo) per video channel,
with internal flexible router
4 x 4 Analog
4 x 4 AES-EBU
Embedded (SMPTE 272MA/299)
Outputs:
4 mono channels (2 stereo) per video channel
4 x 4 Analog
4 x 4 AES-EBU
Embedded (SMPTE 272MA/299)
Connectors:
Analog: DB25 female, balanced 600 Ohm or Hi-z
AES-EBU: BNC 75 Ohm
Analog Levels:
+4dBm
Sampling:
Linear PCM 16/24 bit, 48KHz - not compressed

TimeCode

Input:
LTC through 3-pin XLR or internal TCG
Output:
LTC through 3-pin XLR
ATC Embedded (SMPTE 291 RP-188)
on-screen display

➢ Control Interface

Protocol:
B75 compatible over IP with BLT extensions
Connectors:
2 x LAN and 9-pin RS-422A   (RS-232 with adaptor)

➢ General

Chassis: (Hard Disk included)
Rack 19" 5U
Hard Disk:
interface: SAS with RAID protection level 5
type: 8 x 2" 1/2 inches, internal, removable
Recording Time:
HDTV up to 40 hours (total)
SDTV up tp 100 hours (total)

High Speed Recording compatibility:
HDC-3300 (HDTV x 3)
LDK-8300 (HDTV x 3)
LDK-8200 (HDTV x 2)
BVP-9500WS (SDTV x 3)
LDK-23HS   (SDTV x 3)

➢ Power - Hot Swap PSU

Voltage:
200~240 or 100~117 Vac auto switch 50/60Hz
Consumption:
250 W approx

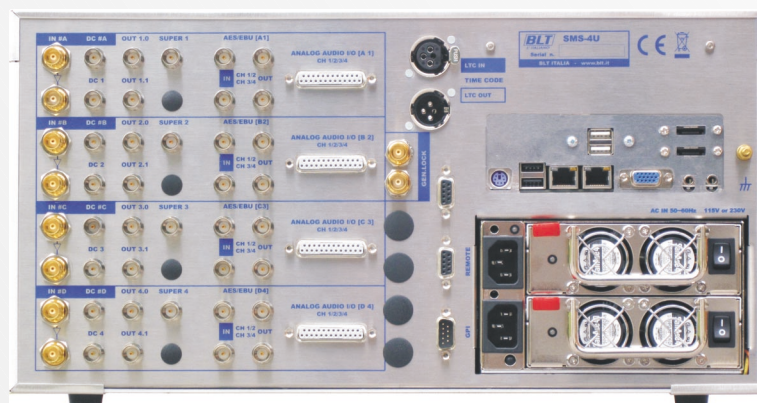### ➢ Mechanical

Dimensions: (Hard Disk included)
430 (w) x 220 (h) x 500 (d) mm
Weight:
21 Kg approx
Environmental:
Operating temperature: 0º ~ 40º C
Humidity: less than 90% (non condensing)

SMS-4U rear panel view