



VIDEO SERVER

for Sport and more ...

HD SD TV

Full HDTV resolution: 1920 x 1080 unscaled
High Quality video process: 10bit compression
HDTV Super SlowMotion with SONY HDC3300
HDTV High Speed camera native interface

User friendly operation
HDTV SDTV switchable
&
HDTV Ready version

SMS-400HD

SMS-220HD

RUS Color





RUS Color

Control Panel

- ✓ Jog/Shuttle, T-BAR, VTR-look and feel control style
- ✓ Cue Point, Clip and Sequence management
- ✓ Single channel or multi-camera, system networking
- ✓ 7 inches large color LCD display
- ✓ 4 configurable GPI inputs and outputs
- ✓ 4 independent RS-422 control ports
- ✓ LAN connection for Server remote control over IP

RUS Color (Remote Unit System) is the custom control panel designed to unleash the advanced capabilities of the *BLT* Video Server, still keeping the user friendly operation.

RUS Color allows, a single operator, the simultaneous or independent control of up to 4 *BLT* Video Servers.

RUS Color provides the familiar VTR look-and-feel which videotape operators are familiar with.

RUS Color is specifically optimized for the Professional end-user to provide the fast and efficient interface necessary for live sports applications. Features include: Clip mark and management, sequences, Play-list, High-Lights, multi-camera, networking to share Clip datas....

RUS Color feature HDTV and SDTV *BLT* Video Server seamless operation, as well as VTR control capability in hybrid configuration.

The **RUS Color** compact size fits well into limited space available on OB-VAN and live productions.



WDR Teca

Logging Video Client

WDR Teca is the Video Client control software for visual Clip browsing, data base creation and management and logging tool for *BLT* Servers.

SMS-400HD

4 CHANNELS HDTV VIDEO SERVER
with HD Super Slow-Motion



SMS-220HD

2 CHANNELS HDTV VIDEO SERVER
configuration: 1 input 1 output



SMS-400HD is a 4 channels HDTV Video Server (3 inputs, 1 output) with simultaneous Recording while Playback capability, random and non-linear access and High Speed native interface for Super Slow Motion capture with High Speed cameras, up to triple speed.

SMS-220HD is a 2 channels HDTV Video Server (1 input, 1 output) based on same Hardware platform and feature of SMS-400HD for applications as playout and High lights.

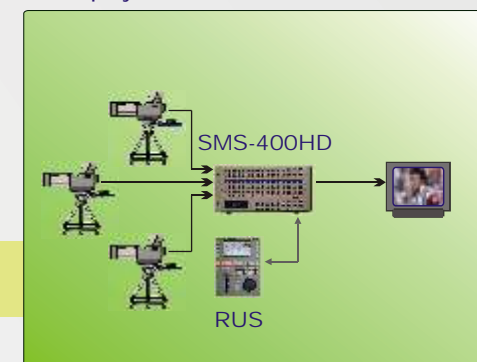
For users currently working with SDTV and looking forward to HDTV transition **SMS-400HD** and **SMS-220HD** are also available as "HDTV Ready" version. "HDTV Ready" units are fully function with SDTV and can be up-graded on-site to full feature to be used with HDTV.

SMS-400HD and **SMS-220HD** internal JP2K Video compression process is full 4:2:2 and 10bit precision with Intra-field compression scheme: no motion artefacts and instant acces to any field content. Raster resolution up to 1920x1080 for unscaled HDTV process as well as SDTV format, with automatic input detection.

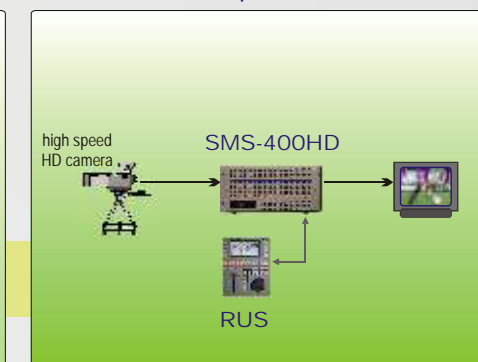
Loop recording with real time clip protection is a BLT server native feature. It ensures that vital shots are never lost and instant playback, replay, slowmotion or super-slowmotion is always available at a push-button touch.

- ✓ High definition / Standard definition switchable and multiformat (1080i, 625i, 525i)
- ✓ HD-SDI and SD-SDI inputs/outputs, monitor downconverter built-in
- ✓ **HDTV Super Slow-Motion** compatible with High Speed SONY HD Super Motion Camera HDC3300
- ✓ Endless Recording with loop
- ✓ Re-Play, Slow-Motion, High Lights, Play list ...
- ✓ Real time Clip over-write protection when recording
- ✓ Cue Point, Clip and Sequence management, single channel or multi-camera, system networking
- ✓ Jog/Shuttle, T-BAR, VTR-look and feel control style through RUS Color control panel
- ✓ Audio stereo/multichannel Analog/AES-EBU/Embedded and TimeCODE LTC/ATC
- ✓ *BLT* Hardware and Software technology

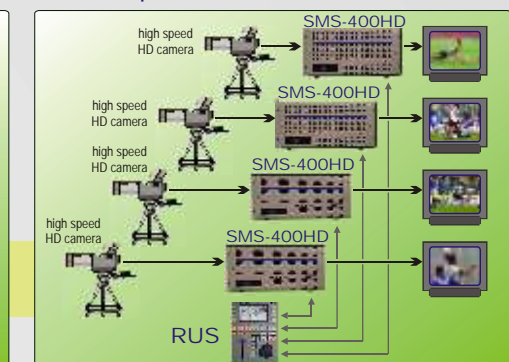
▼ Replay / Slow-Motion with 3 HD cameras



▼ HD Super Slow-Motion



▼ HD Super Slow-Motion with multi cameras



SMS-220HD and SMS-400HD Specifications

▶ Video

Video Inputs:

SMS-220HD: 1 x SDI (HDTV/SDTV)
SMS-400HD: 3 x SDI (HDTV/SDTV) or
1 x High Speed camera triple speed or
1 x High Speed camera double speed + 1 x SDI

Video Outputs:

2 x SDI (HDTV/SDTV)
1 x SDI (Down Converted), with on-screen display
3 x SDI input monitor with down converter

Gen. Lock:

Automatic with Black Burst or composite video,
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:

SMS-220HD: 2 mono channels (1 stereo) Analog
1 x AES-EBU
Embedded (SMPTE 272MA/299)
SMS-400HD: 6 mono channels (3 stereo) Analog
3 x AES-EBU
Embedded (SMPTE 272MA/299)

Outputs:

2 mono channels (1 stereo) Analog
2 x AES-EBU
Embedded (SMPTE 272MA/299)

Connectors:

Analog: 3-pin XLR, balanced 600 Ohm or Hi-z
AES-EBU: BNC 75 Ohm

Analog Levels:

+4dBm

Sampling:

Linear 16 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 with BLT extensions

Connector:

9-pin RS-422A (RS-232 with adaptor)

▶ General

Chassis: (Hard Disk included)

SMS-220HD: Rack 19" 3U
SMS-400HD: Rack 19" 5U

Hard Disk:

interface: SCSI 80-pin SCA
type: 3" 1/2 inches
SMS-220HD: 2 HDD
SMS-400HD: 6 HDD

Recording Time:

HDTV up to 4 hours (per channel)
SDTV up to 12 hours (per channel)

High Speed Recording compatibility (SMS-400HD):

HDC-3300 (HDTV x 3)
LDK-8300 (HDTV x 3) TBC
LDK-8200 (HDTV x 2)
BVP-9500WS (SDTV x 3)
LDK-23HS (SDTV x 3)

▶ Power

Voltage:

200~240 or 100~117 Vac auto switch 50/60Hz

Consumption:

SMS-220HD: 100 W approx
SMS-400HD: 200 W approx

▶ Mechanical

Dimensions: (Hard Disk included)

SMS-220HD: 430 (w) x 133 (h) x 390 (d) mm
SMS-400HD: 430 (w) x 220 (h) x 440 (d) mm

Weight:

SMS-220HD: 12 Kg approx
SMS-400HD: 20 Kg approx

Environmental:

Operating temperature: 0° ~ 40° C
Humidity: less than 90% (non condensing)