



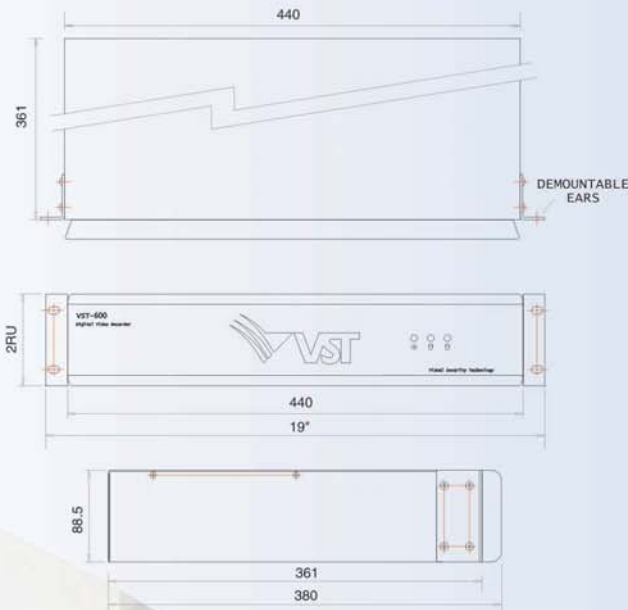
## HIGH RESOLUTION, RELIABLE DIGITAL VIDEO RECORDER for casino, bank ATM, railway and general surveillance

### FEATURES:

- ◆ Incorporates the VST-600 Advanced MPEG-2 CODEC.
- ◆ Real Time Recording (25/30 frames/sec) of all video inputs simultaneously.
- ◆ Full resolution real time record and playback simultaneously.
- ◆ PAL (720x576) and NTSC (720x480) input sampling supported conforming to CCIR-601.
- ◆ Direct VCR replacement for casinos, one VST-600 DVR replaces 2 VCRs.
- ◆ Stand-alone compatibility.
- ◆ Controllable by external systems such as Matrix Switchers, Building Management Systems or PCs.
- ◆ Loop thru video input on CODEC.
- ◆ Direct connectivity to the MAXPRO matrix switcher.
- ◆ Ethernet based Network Connectivity for control and data transfer/archiving.
- ◆ Compression compliant with ISO-13818 as used in DVD movies.
- ◆ Direct interface to external archive systems.
- ◆ Intelligent Power Management of Hard Disk Drives extends the Drive MTBF and minimizes power consumption and heat buildup.
- ◆ Programmable input shaping and noise reduction filters for image optimisation.
- ◆ 2 Rack Unit (88mm) in height with stand-alone or rack mount as standard.
- ◆ Up to 4 EIDE Hard Disk Drives may be fitted.
- ◆ 2 year warranty.

**VST-600 Digital Video Recorder**

# VST-600 Digital Video Recorder



## Electrical

**Voltage:** 115/230 Volt AC  
**Power:** 100 Watt (typical maximum)

## Dimensions

**Height:** 2RU 88.5mm (3.48in.)  
**Width:** 440mm (17.32in.)  
**Depth:** 380mm (14.96in.)  
**Weight:** 11kgs (24.2lbs)

## Construction

- Zinc coated steel, Powder Coat Metallic Charcoal



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## SPECIFICATIONS:

### Video Input

- Type: CVBS (Composite Video Burst & Sync)
- Connectors: BNC (Loop through connection provided)
- Impedance: Bridging
- Input level: 0.5-1.4V p-p (automatic gain control)
- Number of Video Inputs: 2 (model dependant)

*Note: Two channel simultaneous record*

### Video Output

- Type: CVBS
- Connector: BNC
- Impedance: 75 ohm
- Output Level: 1 V p-p nominal
- Number of Video Outputs: 2 (model dependant)

*Note: Single channel concurrent playback*

### Video Encoding

- Real time MPEG-2 encoding compliant to Main Profile@Main Level for 625 and 525 line interlaced systems. D1 (720x576 PAL or 720x480 NTSC) input sampling.
- Definable output bit rate mode: Constant Bit Rate, Variable Bit Rate, Constrained Variable Bit Rate. Definable target bit rates for each mode with supported bit rates from 1.5Mbits/s up to 25Mbits/s (I frame only encoding) and from 1.5Mbits/s up to 15Mbits/s (IP and IBP encoding).
- Bit rate parameters adjustable while encoding.
- Programmable input shaping and noise reduction filters for image optimisation.
- MPEG-2 data streams are compliant with ISO- 13818 thereby allowing standard data interchange with external systems.

### Operating System

- Linux

### Text Overlay

- Channel identification/time & date/user data overlaid on composite video output with definable position and display mode.
- Data embedding in MPEG-2 stream via closed captioning.

### Data Storage

- Storage Medium EIDE Hard Disk Drives (up to 4 drives standard on-board)

### External Interface

- RS-232, RS-485, Ethernet, RD/MX-490.
- MAXPRO Direct Connectivity

### Environmental

**Operating Environment:** Indoor  
**Temperature:** 0 to 45C (32 to 113F)  
**Humidity:** 90% non condensing

### Regulatory

- CE, C-Tick, FCC

### Model Numbers: VST-600/V/GGG

'V' specifies the number of Video Channels fitted  
 'GGG' specifies the total on-board storage capacity in Gbyte