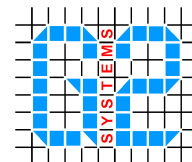


MSTC *Ultima* Provisional specification



New features

- Two field – four line standards conversion
- New high-quality logo inserter now standard
- Colour correction and noise reduction now standard
- Full 10-bit path for SDI 601
- Remote control from Windows PC or TCP/IP network
- Competitive pricing

Standards conversion

Conversion between PAL B/M/N, NTSC M/443/J* and inputs of SECAM, MESECAM.
[2 field/four line standards conversion interpolation.](#)

Timebase corrector - frame synchroniser

Full proc-amp facilities. Loop reference input with H and SC adjustments from front panel and onscreen menus. Internal and SDI path is 10-bit resolution with 8-bit analogue interfaces. Automatic PAL/NTSC (dynamic) CVBS comb filter. Vertical blanking can be switched to blank or pass VITC and Teletext. Automatic colour and frame lock settings to deal with poor VT and colour framing problems. Re-inserts burst and sync on the outputs. All functions can be controlled from the On-screen menu system which appears on all outputs.

Format converter

Conversion between CVBS, Y/C, YPbPr inputs and CVBS, Y/C, YPbPr, RGBS and RGB -Sync on components. YPbPr component input and output are processed at EBU levels. Field and frame freeze facility with GPI trigger is provided .
[An optional CCIR 601 SDI input/output upgrade is available.](#)

Pattern generator

EBU bars, sawtooth, grille, PLUGE and multi-burst. Patterns are available in all output standards and are digitally generated.

Colour corrector

Offers separate gain and offset adjustments for R-Y, B-Y and RGB with pre-set memories.

Noise reducer

Separate Luma/chroma recursive noise reducer with memories.

Analogue/digital converter

Converts between analogue and CCIR 601 serial digital formats when [optional SDI card is fitted.](#)

Video fader

A variable speed video fader facility is provided. Ultima can also cut from a selected test pattern to black and fade up to the input signal. This function can be GPI triggered.

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