

DTC 120X

Standards Converter



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Standards Conversion

Standard Converts between all SD formats with automatic detection of input signal and selectable conversion aperture.

Broadcast-quality 4 field/4 line conversion algorithm guarantees professional quality.

Simple usage

Connect the unit and select the appropriate output standard, input standards are detected automatically.

Frame Synchronization & Timebase Correction

A full frame TBC and frame synchronization facility allows even low quality inputs to be interfaced into your facility.

System health

The unit continuously tests for temperature and voltage issues and informs about its health. An alarm connector is available for system integration.

All temperature and voltage values are available to the PC Remote Control.

Miscellaneous

- test pattern generator

Remote Control

All functions and features are available via a serial remote connector.

This may be used for computer control, automation system or remote control panel.

Quality

XForm Systems is proud to manufacture high quality equipment for the demanding broadcast and studio facilities markets since more than twenty-five years. Quality is paramount in our design and manufacturing facilities.

Options

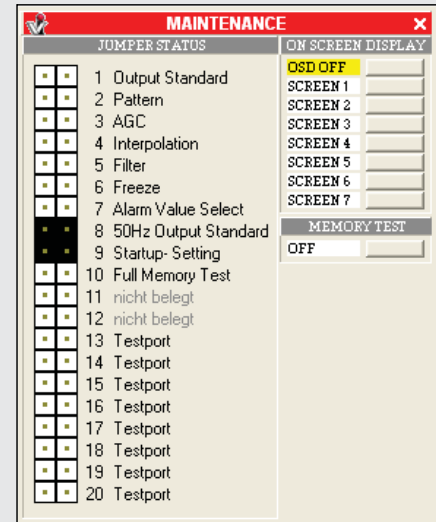
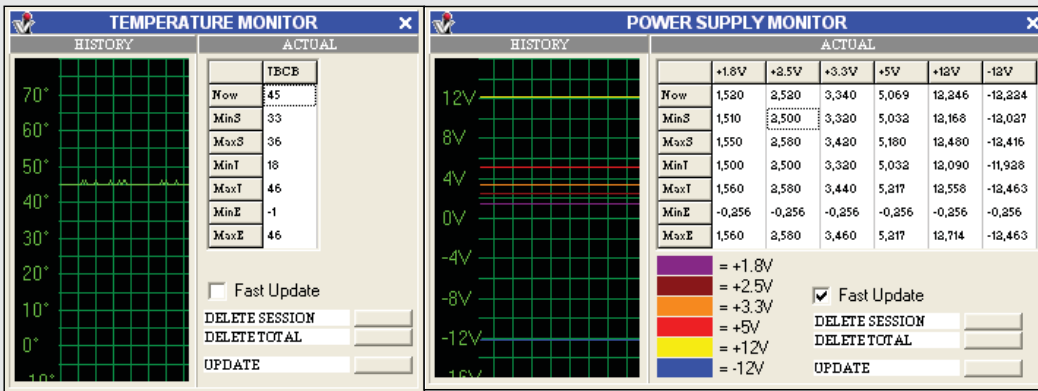
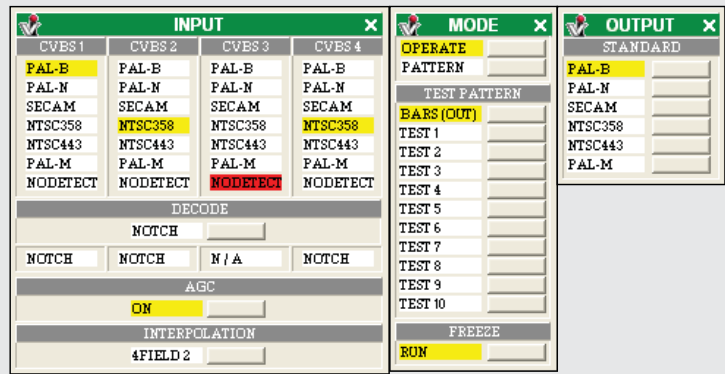
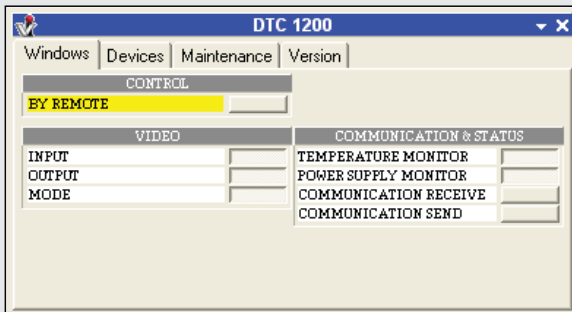
The DTC 120X is available with one channel (DTC 1201), two channels (DTC 1202) and four channels (DTC 1204).

MS Windows based Remote Environment

A remote control application for MS Windows based PCs is standard. You can control and monitor every function of the DTC 120X from your PC. With a single PC you are able to control as many units as you can connect to monitor the complete state of the system in several windows, one for each group of functions. Adjust the systems settings with graphical control components.

System Requirements

A PC running MS Windows Vista, MS Windows XP or MS Windows 2000 with at least 500 MHz and 256 MByte of RAM. The software needs 6 MB of disk space. A screen resolution of at least 1024 x 768 pixels with 64 k of colors is recommended. The communication with the unit is done via a standard RS232-port, alternatively an Ethernet adapter is available.





Input Formats and Video Standards

CVBS PAL (I,B,G,D,M,N),NTSC (EIA, EIA-J, 4.43)
SECAM, Pal60, Black/White

Input Video Connectors

CVBS 1-4 x BNC

Output Formats and Video Standards

CVBS PAL (I,B,G,D,M,N),NTSC (EIA, EIA-J, 4.43)
SECAM

Output Video Connectors

CVBS 1-4 x BNC

Video Processing

Quantizing Scheme ITU 656 10 Bit (4:2:2)
Sampling – Luminance 13.5MHz
Sampling – Chrominance 2 x 6.75 MHz
Full Frame TBC
CVBS Chroma Modulation PAL R-Y/B-Y Axis
NTSC I/Q Axis

Frequency Response

Luminance (Y) 5.5 MHz, 1.5 dB
Chrominance (C) 0.5-1.5 MHz, 1.5 dB
Differential Phase <1°
Differential Gain <1%
Signal to Noise Ratio >68dB CCIR Flat field

Remote Control

RS232C Remote Control 9 D-Sub
Windows Control Software available

Power Requirements

AC Voltage 90-260V, 50 / 60 Hz
Power Consumption <100VA

Physical

Dimensions 44 x 444 x 360 mm (H x W x D)
Weight 6kg approx
Chassis 1RU 19" Rack mounting
Cooling Forced air – cross flow (side to side)



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