

HD/SD Character Generator Kit TC-200+CG-200



Datavideo's CG-200 and TC-200: an innovative HD CG system for mobile broadcasting, live conferences and dynamic video presentations. Using a standard laptop, it enables users to create and deliver attractive on-screen graphics and titles in real-time. It is easy to operate, designed to be intuitive and responsive under the pressure of a live event.

CG-200 and TC-200 works with standard Windows laptops with an HDMI interface and supports vision mixers with and without a DSK. Until now, real-time PC titling software has required an additional SDI adapter card to be fitted into a desktop PC. For live programming on location, a computer-based character generator can be problematic, in terms of the physical bulk of the PC, the need for an additional screen and the power requirement. CG-200 and TC-200 makes professional CG on the run a reality.

•DSK mode

As software only, CG-200 and TC-200 can work with a vision mixer equipped with a DSK. In this mode, CG-200 and TC-200 can be set up as the key source or fill source. It can work with any vision mixer (such as the Datavideo SE-2800 and SE-3000) that has a downstream keyer (DSK).

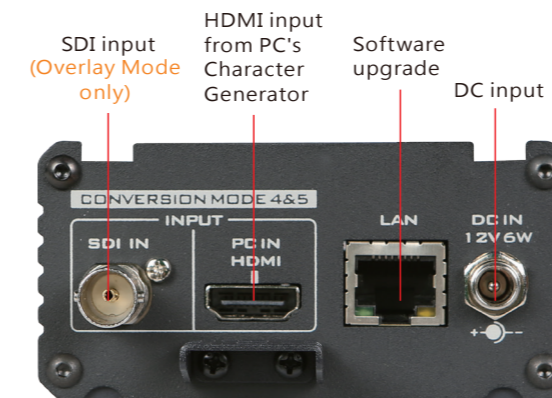
•Overlay mode

The Title Overlay mode overcomes the lack of a DSK in the vision mixer. Using the small external TC-200 hardware unit, The HDMI output from the laptop is embedded with the SDI output from a camcorder, VTR or vision mixer.

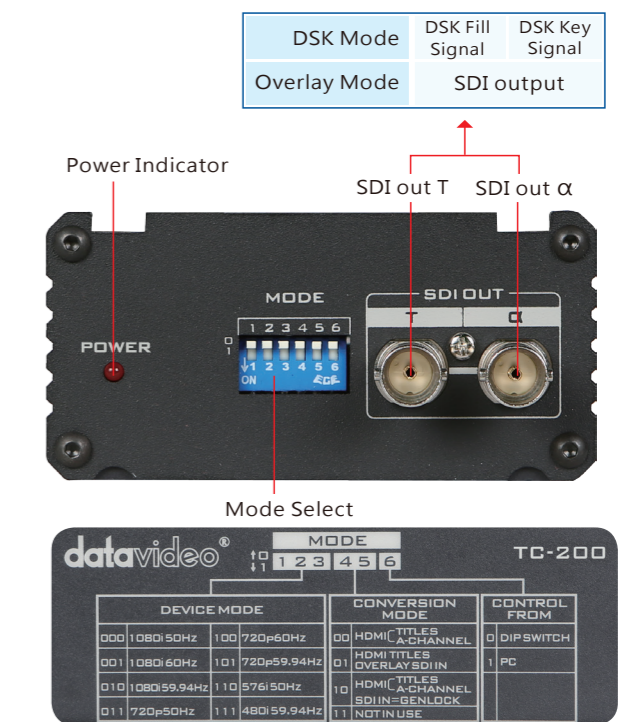
FEATURES

- Live Title Generator
- No additional PCI card required
- Supports DSK function (via HDMI) or SDI overlay function (with optional TC-200)
- Support HD/SD SDI input and output in Overlay mode
- Supports HD video with 1080i 50/ 59.94/60; 720p 50/59.94/60
- Supports SD video: 576i/480i
- Title editing on laptop
- compatible with Windows 7/8
- Supports all Windows fonts
- Multi-language support
- Supports animation including JPG, TAG, GIF, BMP, PNG
- Supports scrolling
- Title editing patterns include Slide, Reveal,...,etc.
- Easy logo set up
- TC-200 working voltage is 7-15V. It can be used with 7.2V & 14.4V batteries

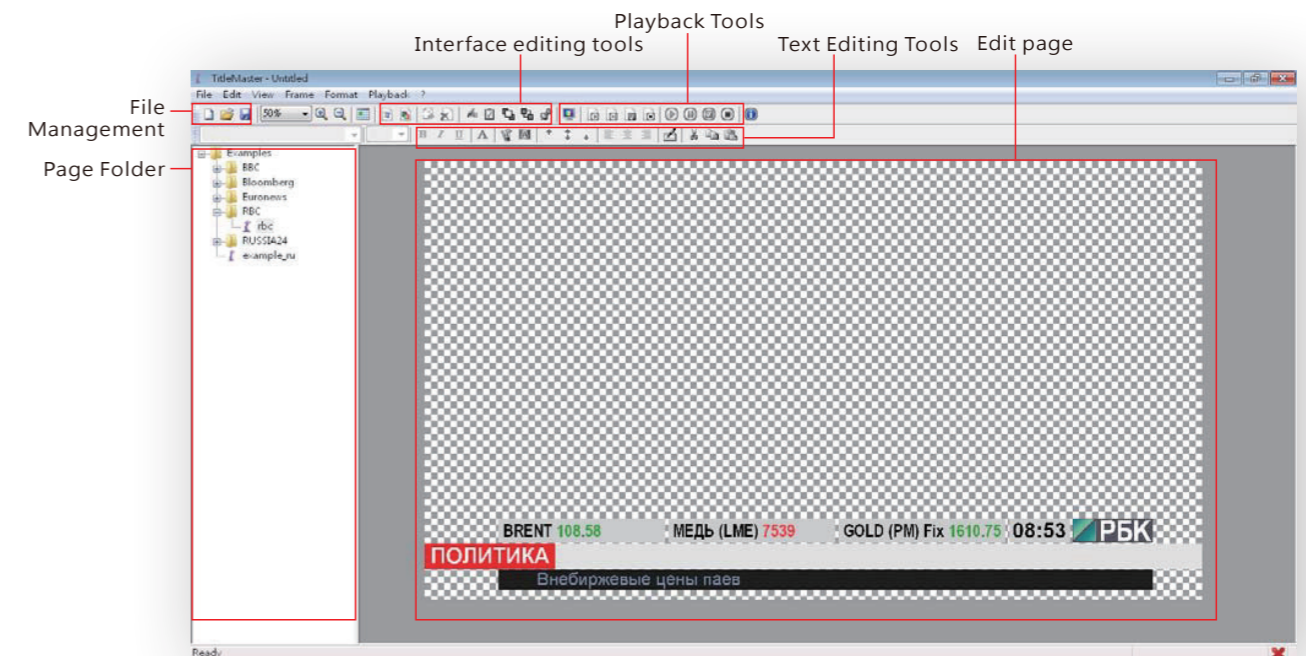
TC-200 Front View



TC-200 Rear View

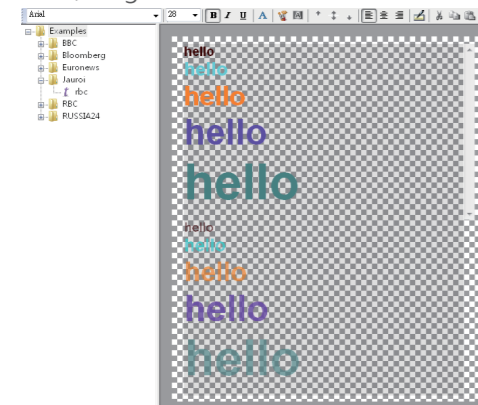


CG-200 INTERFACE



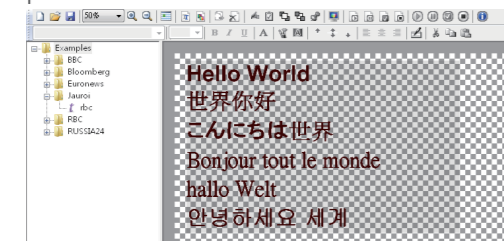
■ Text & animation tool

Color, size, transparency, board, location, alignment can be edited



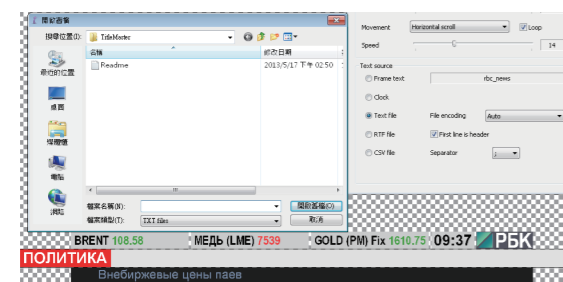
■ UNICODE

CG-200 adapts UNICODE. It supports all fonts in Windows



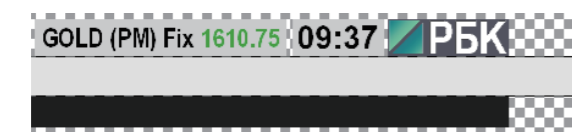
■ TXT file loading

CG-200 can import TEXT files



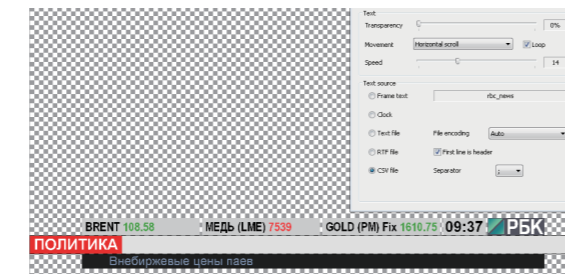
■ Clock function

Users can define the clock display of their choice



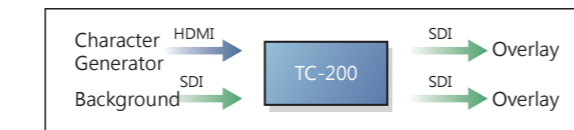
■ Scrolling function

Put all contents you need in text frame. Scrolling speed can be pre-set



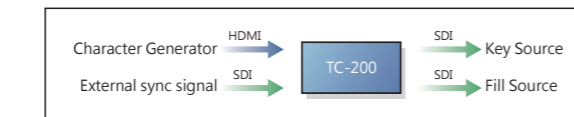
■ Overlay function

1.Overlay: TC-200 combines CG from the laptop' s HDMI port with the SDI video signal, overlaying graphics in real-time

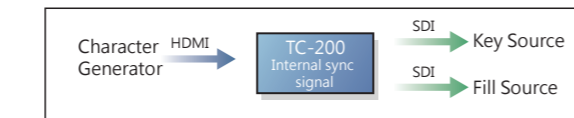


■ DSK functions

1.DSK with External sync signal: the CG-200 signal from the laptop' s HDMI port is synchronized with an SDI. TC-200 can refer to external sync and send out key source and fill source

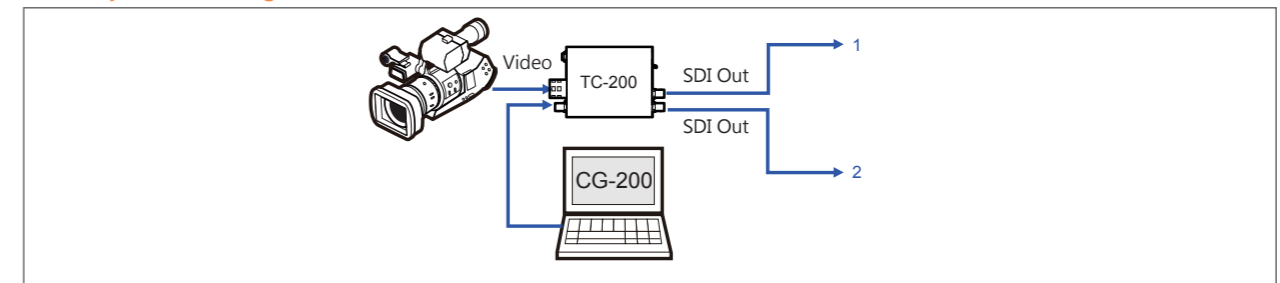


2.DSK with Internal sync signal: the CG-200 signal from the laptop' s HDMI port; TC-200 can refer to internal sync signal and send out key source and fill source.

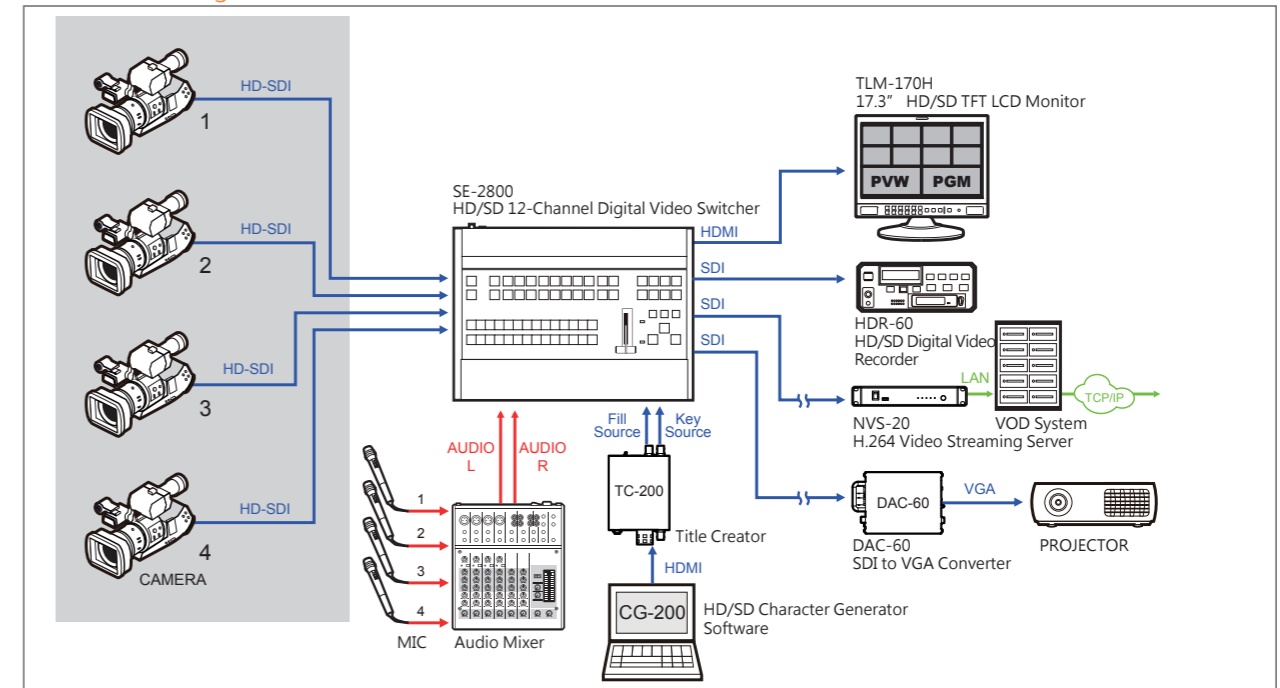


■ SYSTEM DIAGRAM

Overlay Mode Diagram



DSK Mode Diagram



■ SPECIFICATION

- Text Sources**
 - Frame text
 - clock
 - text file
 - CSV file
- File Format**
 - JPG/ PNG/ BMP/ TGA/ GIF/ GIF
- Animation Formats**
 - GIF
- Input and Output Interface**
 - HDMI input x 1
 - HD-SDI input x 1
 - HD-SDI output x 2
 - LAN port x 1
- Mode**
 - CG overlay : HDMI input is CG; SDI in is live video
 - Genlock mode : HDMI input is CG; SDI in is reference signal
 - reference with internal signal : HDMI input is CG; SDI in isn't in use
- Input Formats**
 - 1920x1080i/50Hz | 1920x1080i/50Hz
 - 1920x1080i/60Hz | 1920x1080i/60Hz
 - 1920x1080i/59Hz | 1920x1080i/60Hz (instead 1920x1080i/59Hz)
 - 1280x720p/50Hz | 1280x720p/50Hz
 - 1280x720p/60Hz | 1280x720p/60Hz
 - 1280x720p/59Hz | 1280x720p/60Hz (instead 1280x720p/59Hz)
 - 720x576i/50Hz | 1920x1080i/50Hz (crop to 720x576i/50Hz)
 - 720x480i/59Hz | 1920x1080i/60Hz (crop to 720x480i/60Hz)
- Conversion Mode**
 - HDMI signal is split into titles and alpha channel.
 - HDMI signal is split into titles and alpha channel with Genlock
 - HDMI titles overlay over the input SDI signal
- Control**
 - by dip switch
 - by PC
- Voltage Range**
 - 7-15V DC (most of battery is 7.2V, 12V & 14.4V so will need to cover it)
- Firmware Update**
 - Ethernet
- System Requirements**
 - windows 7, 8
 - 3GHz Processor
 - 2Gb RAM

* Preliminary information for IBC 2013. Specifications can be changed without prior notice.



Datavideo Technologies Europe BV
 Floridareef 106 3565 AM Utrecht, The Netherlands
 Tel:+31-30-261 96 56 Fax:+31-30-261 96 57 E-mail:info@datavideo.nl

Datavideo UK Limited
 Units 1 & 2 Waterside Business Park Hadfield, Glossop, Derbyshire SK13 1BE, UK
 Tel:+44-1457 851 000 Fax:+44-1457 850 964 E-mail:sales@datavideo.co.uk

Datavideo France s.a.r.l
 Cité Descartes 1, rue Albert Einstein Champs sur Marne 774477-Marne la Vallée cedex 2
 Tel:+33-1-60370246 E-mail: info@datavideo.fr

