

IQDDAC

Video Digital to Analog Converter

The IQDDAC converts serial 4:2:2 format at 270 Mbit/s to analog component video (in either YPbPr or GBR formats). Each channel is oversampled and applied to three 10 bit DAC's. These analog signals are corrected for gain and offset, syncs added to the Y signal, and then low-pass filtered in accordance with the requirements for full '601' performance. Optional Key channel only version available.

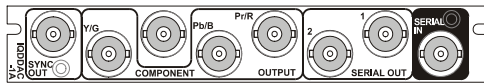
Does this module suit your application?

- SDI to analog YPrPbS or GBRS
- 10-bit oversampled DAC's
- Full CCIR601 filter performance
- 525 line YPbPr in Betacam or SMPTE levels
- auto-detects 625/525 line standards
- Separate 2V Sync output
- Control of blanking timing, picture position and Y to PbPr correction
- Two outputs for each component (-2)
- EDH monitoring and error checking
- User controlled Blanking shaping
- Digital bypass mode
- Selectable vertical blanking
- RollCall control, monitoring and logging

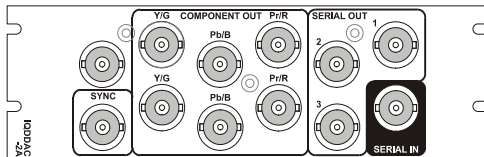
Why should you choose this module?

- Digital to analog converters are 10 bit and twice oversampled for optimum accuracy. Reconstruction is to within CCIR601 specification
- Operates within the 525 or 625 environments so can be used in multi-format digital component environments
- Component analog can be YPbPr (EBU or Betacam levels) or GBRS as required by the system
- Input is monitored for EDH errors to ensure system integrity
- Blanking is selectable between analog and digital limits to ensure no unwanted picture content at the side of the display

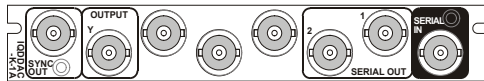
Order codes for IQH3A/1A enclosures



IQDDAC-1A Video DAC 601 spec 10-Bit, 1 output.

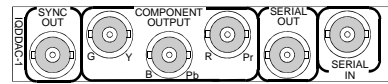


IQDDAC-2A Video DAC 601 spec 10-Bit 2 component, 3 serial outputs.

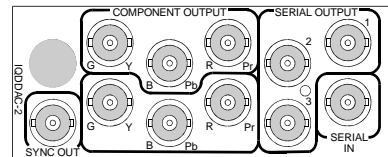


IQDDAC-K-1A Video DAC Key Channel only 10-Bit 1 output.

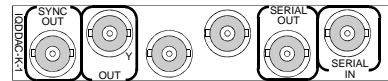
Order codes for other enclosures



IQDDAC-1 Video DAC 601 spec 10-Bit, 1 output.



IQDDAC-2 Video DAC 601 spec 10-Bit 2 component, 3 serial outputs.



IQDDAC-K-1 Video DAC Key Channel only 10-Bit 1 output.

For more details on enclosure types please refer to the Frames/Enclosures section

