

The CVR600 is a multi-standard broadcast quality 12-bit sampling, 10-bit processing standards converter, synchronizer, aspect ratio converter, noise reducer and time base stabilizer with SDI, DV, composite and Y/C interfaces. Standards conversion between 525 and 625 line standards (NTSC/PAL) employs a powerful 20 point, 4-field, 5-line interpolation aperture to give smooth motion and maximum vertical resolution. Embedded audio is processed as well as providing options for AES and analog audio interfaces. There are 3 variants of CVR600D with SDI, Y/C and composite video. Supporting embedded audio and either balanced AES, unbalanced AES or analog audio. There are 3 variants of CVR600DV with DV, SDI, Y/C and composite video. Supporting embedded audio and either balanced AES, unbalanced AES or analog audio.

The Kudos Plus CVR600 has a DC input for redundant PSU capability and is provided in a compact half rack width housing with remote control capability via Ethernet.

Kudos Plus CVR600

SDI, DV & Composite Broadcast Quality Standards Converter & Synchronizer



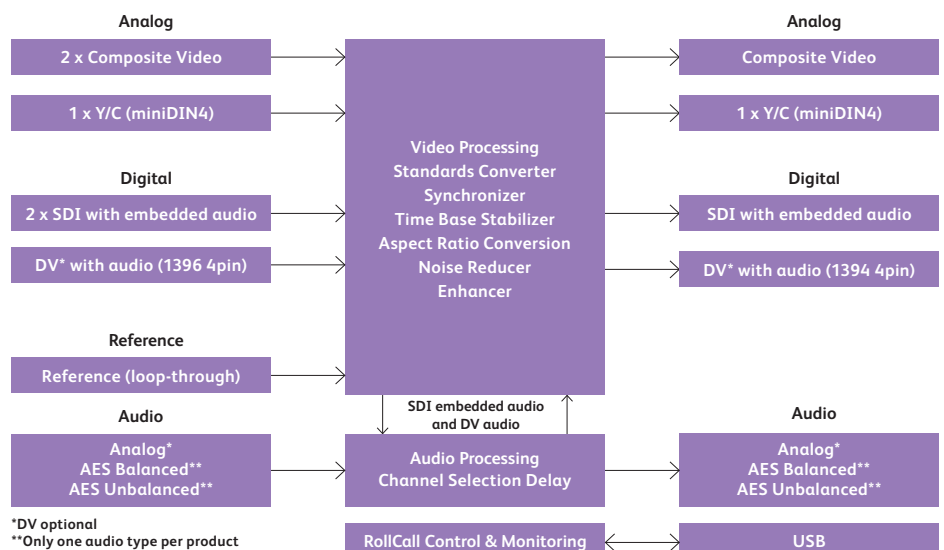
Features

- Standards converter & aspect ratio converter
- Synchronization & time base stabilization
- ARC with presets and size controls
- Adaptive recursive noise reduction with automatic noise level detection
- 20 point vertical-temporal aperture
- 12-bit decoding with 5-line comb filter
- 12-bit encoding
- Inputs PAL, NTSC, NTSC-J, NTSC4.4, PAL-N, PAL-M, SECAM with automatic input detection
- Outputs PAL, NTSC, NTSC-J, PAL-N, PAL-M
- 4 channel (2 pair) embedded audio processing
- Seamless PCM audio tracking delay with manual offset – up to 2.5s
- Pass through for all HANC/VANC data in synchronize mode

- Options for balanced / unbalanced AES and balanced analog interfaces
- Unique genlock 'Floating Mode'*
- Composite inputs tolerant to noise & errors
- Video gain, black level, chroma gain, NTSC hue
- RollCall compatible via USB link
- Compact ½ rack width with optional rack mount kit. Low power (no fan)
- Optional external PSU for redundancy

Applications

- Universal analog / digital interface
- Audio embedding & extraction
- Satellite down-link & radio links
- Ingest / PC capture pre-processing
- Duplication
- VHS dubbing



*DV optional
**Only one audio type per product



Ordering Options

Model	CVR600AD
Order Code	3598402
Description	SDI and composite standards converter, synchronizer and time base stabilizer with embedded and analog audio
Model	CVR600BD
Order Code	3598403
Description	SDI and composite standards converter, synchronizer and time base stabilizer with embedded and balanced AES audio
Model	CVR600UD
Order Code	3598404
Description	SDI and composite standards converter, synchronizer and time base stabilizer with embedded and unbalanced AES audio
Model	CVR600ADV
Order Code	3598405
Description	DV, SDI and composite standards converter, synchronizer and time base stabilizer with embedded and analog audio
Model	CVR600BDV
Order Code	3598406
Description	DV, SDI and composite standards converter, synchronizer and time base stabilizer with embedded and balanced AES audio
Model	CVR600UDV
Order Code	3598407
Description	DV, SDI and composite standards converter, synchronizer and time base stabilizer with embedded and unbalanced AES audio

*Floating Mode

Without a reference the output will either free-run or lock to a stabilized input sync if operating in synchronize mode. In this stabilized or 'floating mode' the output will always follow shortly after the input, so preventing lip-sync errors and frame drop/repeat. The inputs are highly tolerant to unstable and noisy sources, while the synchronizer always creates correctly aligned images, even during sync disturbances and asynchronous input switches.

Company policy is one of continuous product improvement. Specifications are therefore provisional and subject to change without notice. All other trademarks mentioned herein are duly acknowledged.