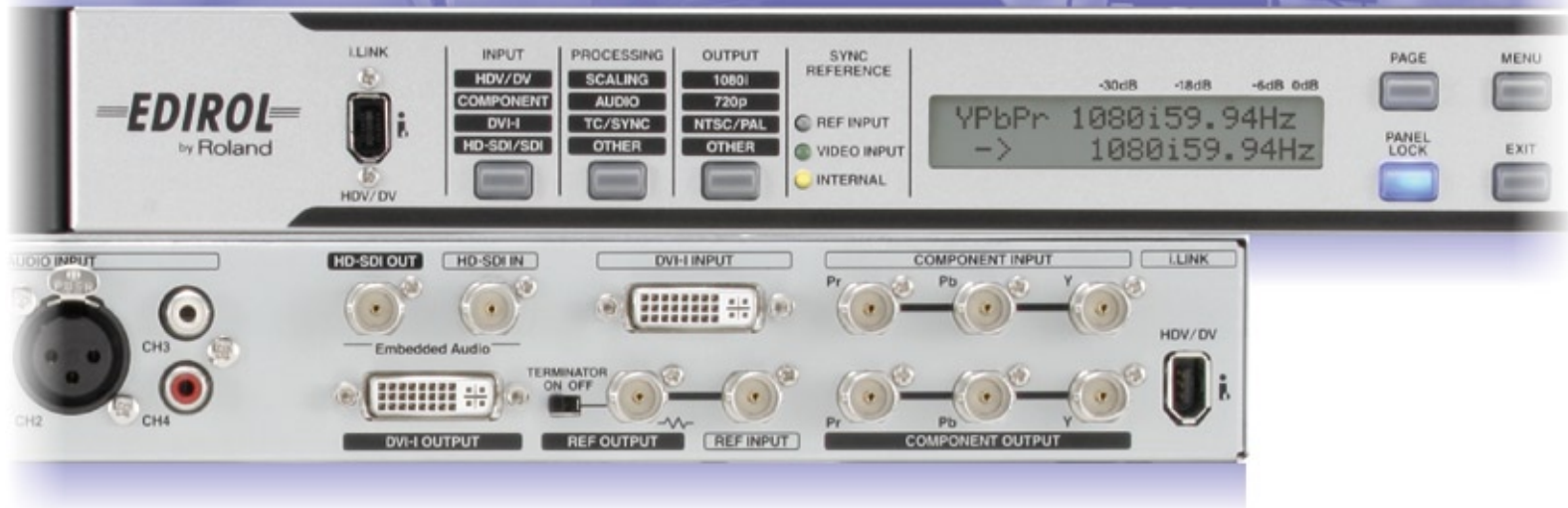


VC-300HD / VC-200HD Ver.2

HDV
DV
SDI (HD) *
SDI (SD) *
DVI
RGB
HDMI
COMPONENT



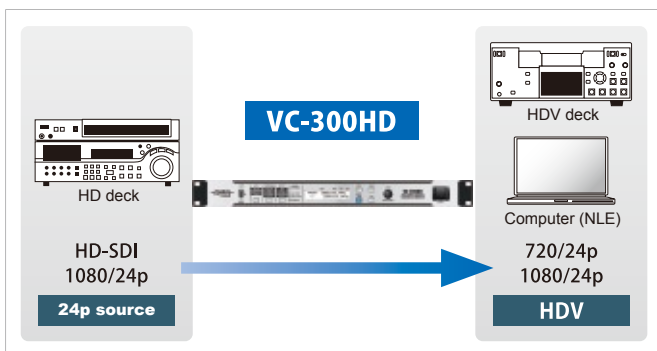
* VC-300HD only



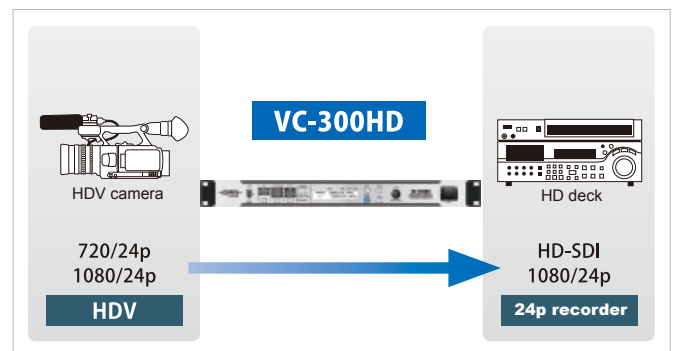
Ver.2 Additional Functions

Supports 24p Frame Rates

Cinema frame rates like 24p and 23.98p are now supported to enable conversion of footage shot with a variety of cameras.
* Supported frame rates vary depending on Input/Output terminals. Refer to the chart on the flip side of this document.



Enables use of affordable production system and media.

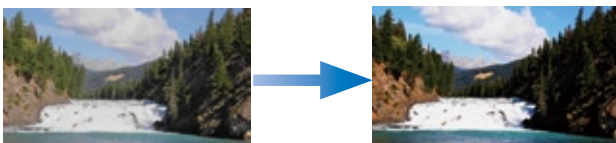


Use HDV shooting devices with current production systems.

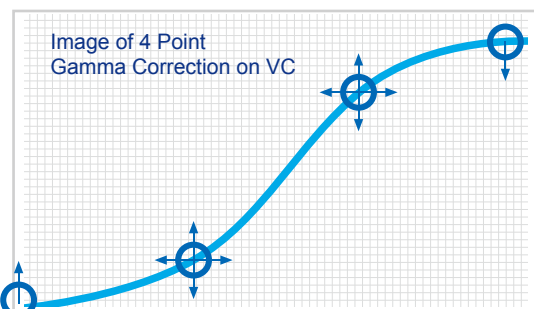
Improved image quality and Gamma Correction

4 Point Gamma Correction

The newly added 4 points Gamma Correct function enables adjustment of bright/dark part independently. Enhances images to have a more film-like color.



Example of Gamma Correction



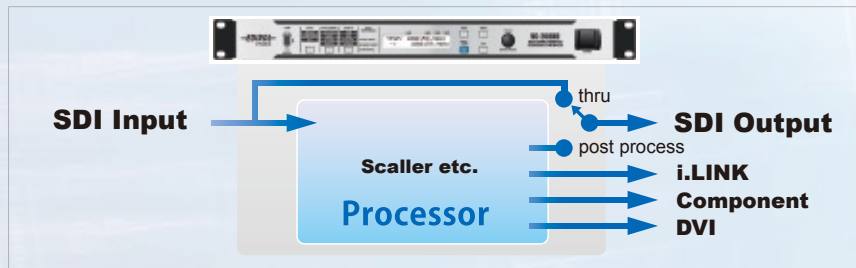
Improved Image Quality

Carefully optimized algorithm of the built-in scaler has resulted in further improvements in the the image quality of the VC. Highly accurate processing is achieved in all types of conversion - up, down and cross.conversion.

Additional Functions on Outputs

SDI thru output function (*)

You can select the SDI (HD/SD) output to be pre-processor or post-processor. This enables a monitor output or split output capability.
* VC-300HD only



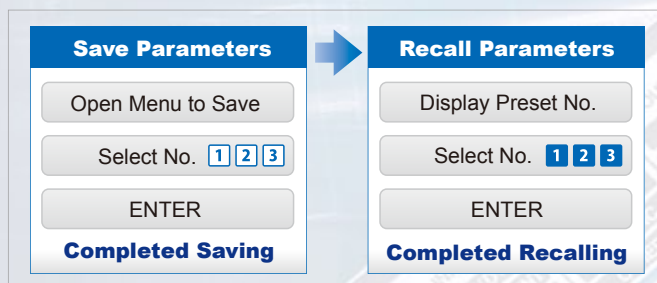
Copy Protection on i.LINK output

You can add CGMS-D (Copy Generation Management System - Digital) to the output signal. This enables limitation to copy of digital contents.

Newly added functions for daily operations

User Presets

Parameters like input signal, conversion or processing can be saved to an internal memory. Up to 3 presets can be saved and enables convenient recall.



Remote Control

You can now remotely control parameter setup of the VC from external devices, like a PC, via RS-422A Remote Terminal. This can be also used for parameter data backup.



Newly Supported Input/Output formats

Input Formats

i.LINK	HDV1080/30p, HDV1080/25p, HDV1080/24p HDV720/30p, HDV720/25p, HDV720/24p HDV480/60p, HDV576/50p, DV480/24p
Component	1080/60i, 1080/24PsF 1080/23.98PsF, 720/60p
SDI * VC-300HD only	1080/60i, 1080/30PsF, 1080/30p 1080/29.97PsF, 1080/25PsF, 1080/25p 1080/24PsF, 1080/24p, 1080/23.98PsF 1080/23.98p, 720/60p, 720/29.97p 720/25p, 720/24p, 720/23.98p
Pull Down Formats of SDI (HD/SD) * VC-300HD only	720/30p (Over 60p), 720/24p (Over 60p) 1080/24p (Over 60i) 720/29p (Over 59.94p), 720/23.98p (Over 59.94p) 1080/23.98p (Over 59.94i), 480/23p (Over 59.94i) 720/25p (Over 50p)

Output Formats

Output Setup	SDI * VC-300HD only	i.LINK	Component / DVI
1080/60p	-	-	1080/60p
1080/60i	1080/60i	-	1080/60i
1080/59.94p	-	-	1080/59.94p
1080/50p	-	-	1080/50p
1080/30PsF	1080/30PsF *1	-	1080/30PsF
1080/29.97PsF	1080/29.97PsF *1	HDV1080/30 *2	1080/29.97PsF
1080/25PsF	1080/25PsF *1	HDV1080/25 *2	1080/25PsF
1080/24PsF	1080/24PsF	-	1080/24PsF
1080/24pOv60i	1080/24p(Over60i) *1	-	1080/24p(Over 60i)
1080/23.98PsF	1080/23.98PsF	HDV1080/24F *3	1080/23.98PsF
1080/23pOv59i	1080/23.98p(Over59.94i) *1	HDV1080/24A *2	1080/23.98p(Over 59.94i)
720/60p	720/60p	-	720/60p
720/30pOv60p	720/30p(Over 60p) *1	-	720/30p(Over 60p)
720/29pOv59p	720/29.97p(Over 59.94p) *1	HDV720/30P *4	720/29.97p(Over 59.94p)
720/25pOv50p	720/25p(Over50p) *1	HDV720/25P *4	720/25p(Over 50p)
720/24pOv60p	720/24p(Over60p) *1	-	720/24p(Over 60p)
720/23pOv59p	720/23.98p(Over 59.94p) *1	HDV720/24P *4	720/23.98p(Over 59.94p)

*1 Items with valid frame flag code appended. When this output format is set, the user bit cannot be used. *2 Format used by HDV devices from Sony Corporation. *3 Format used by HDV devices from Canon, Inc. *4 Format used by HDV devices from Victor Company of Japan, Limited. (JVC)

24p conversion

Operates correctly when both input and output frame rates are 23.98 or when both input and output frame rates are 24.00. When the output frame rate is 23.98 or 24.00, REF INPUT cannot be used (Does not lock to REF INPUT).