

The heart of your professional home cinema
...manages all your HDTV sources.



picture optimizer plus HD (SDI)

State-of-the-art Videoscaler for modern home cinemas.

With the new picture optimizer plus HD (SDI) cinemateq realizes the ideal concept for all HDTV functionalities in picture- and sound-switching, picture optimization and free scaling up to 1080p only in one device: With 4 additional HDMI inputs, scalable up to 1080p and including audio/video switching!

Enhance your opportunities:

With the new picture optimizer plus HD (SDI) altogether 11 both digital and analog interfaces for video sources and additionally 5 digital audio sources are available. Special highlight: Double signaloutputs via HDMI and DVI for digital HDTV video-signals and for digital multi-channel sound are available. Using both HDMI/DVI outputs you can drive two components at the same time, for example one flat-TV and one projector. Two additional digital audio outputs transmit the digital multichannel sound of the selected source to existing digital surround-receivers.

Beside the convenient AV-switching function, all SDTV inputs and all HDMI inputs can be adjusted in brightness, contrast, saturation and can be enhanced in sharpness both horizontally and vertically.

Free scaling to any native display resolution up to 1080p formats completes the powerful functions of the new cinemateq optimizer plus HD (SDI). Even full progressive 1080p program is accepted to the 4 HDMI inputs, offering a pure 1080p bypass function.



for better movies . . .

cinemateq 
professional home theater

Get in contact with 11 video- and 5 audio inputs including SDI option

Owners of a picture optimizer plus HD (SDI) can use all advantages of HDMI connections with drilling screws for save and long lasting contact - and still much more. Again the cinemateq customer has the choice between two scaler versions: the picture optimizer plus HD and the picture optimizer plus HD SDI with 2 Serial Digital Interface BNC connectors.



Offered functions:

Switching for 7 analog and 4 digital sources (picture optimizer plus HD) or 5 analog and 6 digital sources (picture optimizer plus HD (SDI)). All video sources like RGB Scart of your SAT-Receiver, SDI interface from a cinemateq studio player SDI or any HDTV signal via HDMI can be optimized and scaled up to any resolution up to 1080p. Analog sources can be connected to analog picture devices with two outputs using RGB or YUV colour space. Another 5 digital audio inputs and all 4 HDMI audio inputs can be combined with any picture source for AV-Switching with full digital multichannel audio sound.

Double digital audio outputs and double digital HDTV outputs bring all HDTV sources compliant to HDCP into two rooms or can feed two display devices at the same time. Different picture settings can be stored to any SDTV and HDTV picture source to enhance picture quality and convenience in your HDTV home cinema.

Highlights

- ❑ 4 scalable HDMI inputs with full HDCP support and 7 SDTV inputs
- ❑ digitally scaling of SDTV (480p/576p), HDTV (720p, 1080i) and PC formats
- ❑ 1080p output via HDMI and DVI with 1080i signal de-interlacing
- ❑ audio switching for 4 HDMI and 5 S/PDIF audio inputs to 2 digital audio- and 1 HDMI output
- ❑ screwable HDMI plugs for cinemateq HDMI cables

technical data

Video-Inputs (11)

- ❑ 1 x SCART-jack with RGB or FBAS signal
- ❑ 2 x FBAS or SDI Version 2 x BNC-jack
- ❑ 2 x S-Video-jack with S-Video signal
- ❑ 2 x 3 Cinch-jacks with YUV (component) signal
- ❑ 4 x HDMI with HDCP up to 1080i/p

Audio-inputs (9)

- ❑ 3 x Cinch digital audio
- ❑ 2 x Toslink digital audio
- ❑ 4 x HDMI

Optimization functions

- ❑ Flexible line multiplier
- ❑ 2:2 & 3:2 pull-down
- ❑ sharpness adjustment
- ❑ TV-Mode

Video-outputs (4)

- ❑ 1 x 5 BNC-jacks: RGBHV / RGBS / RGSB / YUV
- ❑ 1 x VGA-jack: RGB HV / RGBS / RGSB / YUV
- ❑ 1 x HDMI with audio (HDCP compliant)
- ❑ 1 x DVI (HDCP compliant)

Audio-outputs (3)

- ❑ 1 x Cinch digital audio
- ❑ 1 x Toslink digital audio
- ❑ 1 x HDMI

Adjustable picture parameters

- ❑ Brightness
 - ❑ Contrast
 - ❑ Colour saturation
 - ❑ Colour graduation (hue)
 - ❑ Image position & image size readjustment
 - ❑ aspect ratio conversion
- All of the above parameters can be adjusted separately for each input*

Resolutions

- ❑ 22 predefined standard resolutions for PAL and NTSC
- ❑ Max. resolution: HDTV 1920 x 1080p at 50/60Hz
- ❑ memory for two pixelexact free definable "custom resolutions" for PAL and/or NTSC

Switching

- ❑ coeval management and switching of 9 sources with picture and sound (4 x HDMI & 5 x digital Audio)
- ❑ parallel signal processing for 2 digital outputs with HDCP
- ❑ additional: digitalaudio-output via 2 digital audio outputs

Miscellaneous

- ❑ Infrared remote control and RS232-interface
- ❑ Display via on-screen menu & blue graphical display with 3-level brightness control
- ❑ Firmware update via RS232 interface possible
- ❑ External power supply via 230V AC power supply
- ❑ Dimensions: 431 x 300 x 69 mm (W x D x H)
- ❑ Weight 8,0 kg
- ❑ Colour: Silver chassis, blue graphical display, flat brushed, anodized silver front panel
- ❑ Scope of supply: cinemateq picture optimizer plus HD, infrared remote control, external power supply, manual