



## cinemateq products autumn 2006

cinemateq stands for high-end home cinema solutions and products. As provider of high-quality consumer electronics cinemateq offers state-of-the-art audio and video technology for the private home cinema as well as for the professional presentation sector.

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## Home Entertainment Made in Germany by cinemateq

cinemateq is specialised in high-end home cinema products and vendor of premium video- and audio -solutions. Optimum quality, noble design and maximum control comfort are the maxim for all home entertainment solutions of cinemateq. Basic idea with the development of all cinemateq products is the reduction on the substantial functions - and the lifelong use.

cinemateq stands for high-end home cinema solutions and products. As provider of high-quality consumer electronics and owner managed company located in the south of Munich, cinemateq GmbH & Co. KG offers state-of-the-art audio and video technology for the private home cinema as well as for the professional presentation sector. Based on the success of its self-developed picture optimization technology, cinemateq is the leader in scalability of the PAL video signal in Europe and an acknowledged specialist for digital processing of the HDTV signal via HDMI. As supplier to the OEM Business cinemateq is recognized as established cooperation partner by the manufacturers of well-known brands.

cinemateq products differentiate themselves by top-class quality and functionality, noble design and the predicate „Made in Germany“. The products of the „picture optimizer“- line and the flatscreen CT-50 HD were credited with the highest marks by experts as well as by the specialized press and won prizes as reference devices in their respective segments. Coming soon cinemateq will be able to offer the complete portfolio of high-quality home cinema solutions and components. As global player cinemateq disposes of a continuously growing network of distributors and is currently represented in the exclusive home-cinema specialized trade in more than 15 countries.



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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 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 signal outputs 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.



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## 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: digital audio-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

Our engineers needed  
the perfect DVD-player.



So they built it.



studio player SDI

## Perfect Closed-Loop Home Cinema Becomes Reality.

Are you the owner of an expensive plasma monitor or projector, a brand-new DVD and can still not get your home cinema to deliver the perfect picture? Very annoying, but the rule rather than the exception. The quality of your home cinema experience is determined by the quality of the picture source: the higher value the signal, the better the performance of the components involved. The missing link so far was the perfect DVD player. We have built it for you: the inimitable, innovative cinemateq studio player SDI.

### Unique Concept

Adding the missing link, this DVD-player closes the completely digitalized loop between DVD and display in the next-generation home cinema: it delivers a completely unaltered, pure and 1:1 video signal from the DVD (digital YUV in PAL/NTSC).

### Unique quality

The studio player SDI is the best possible source for the cinemateq picture optimizer plus II SDI. Feeding a maximum of picture quality with the non-manipulated, unaltered signal from the DVD to the flat screen or the projector, it even provides the highest quality picture signal available, dispensing with any D/A- and A/D-conversion.



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### Puristic Understatement

The functionality of the studio player SDI is geared to fulfil the demands of high-end home cinema without compromise – without technological ballast, acting on the maxim "less is more"! The studio player SDI dispenses with any components and technologies having falsifying effect on the data or interfering with the signal output. The quality of the outgoing video and audio signal is exclusively defined by the quality of the DVD inserted.

### Optimum Performance and Picture Quality

Externally the cinemateq studio player SDI differentiates itself through brilliant workmanship, elegant design and extremely comfortable handling.

Internally it is equipped with components so far only used in the professional studio technology. Its unparalleled error correction during the process of scanning and decoding of the completely unaltered data output is one of the features that make this DVD player so convincing. All picture modification phases of a professional scaling device – like the one of the picture optimizer plus II SDI – can unfold complete performance and optimal picture quality with a SDI signal.

These are the results: astounding picture and sound quality, peak values in naturalness, colour fidelity, brilliance, contrast, image definition and rendition of detail as can only be achieved by a perfect DVD-Player.

### Facts and features

- ▣ professional video output in digital studio quality
- ▣ genuine 1:1 rendition of the DVD content
- ▣ high-quality construction, elegant design
- ▣ first-class error correction during scanning
- ▣ all common DVD functions (zoom, A-B repeat, fixed image, etc.)
- ▣ display brightness adjustable
- ▣ separate infrared command for ON / OFF
- ▣ ergonomic infrared control
- ▣ connector for external IR sensor
- ▣ complete RS-232 control possibility (e.g. for control computers )
- ▣ RS-232 output commands for the picture optimizer plus II SDI integrated
- ▣ firmware upgrade via RS-232 possible



### studio player SDI: technical data and accessories

<b>General</b>		<b>Video Output Terminal</b>		<b>Control Unit</b>	
Identification	studio DVD player with SDI	Type	SDI (Serial Digital Interface)	Infrared	ingegrated IR receiver
Playback disc	DVD, DVD+R/ +RW, DVD-R/ -RW, VCD, SVCD, Picture CD (JPEG), CD, CD-R, CD-RW, MP-3CD	Jack	BNC jack	Remote Control	connection for external IR receiver
Signal Standard	PAL / NTSC / SECAM	Signal	digital serial videostream (digital YUV interlaced)	RS-232	ergonomic infrared control with 40 buttons
Power Supply	110 - 240 V AC, 50 / 60 Hz via 3-pole inlet connector (4/18W)			Power Switch	POWER ON / OFF rocker switch on the back side, standby via remote control or RS-232
<b>Audio Output Terminal</b>		<b>Audio Characteristics</b>		<b>Miscellaneous</b>	
Coax		Audio Format S/PDIF	Dolby Digital, Dolby Digital EX, DTS, DTS-ES Discrete, Matrix 6.1, DTS Neo:6 Cinema, DTS 96/24	Dimensions	431 x 300 x 69 mm
Type	S/PDIF			Weight	approx. 8 kg
Jack	cinch jack			Cabinet Colour	front bezel: silver/ cabinet: silver-gray,
Signal	digital audio			Alternatively	front bezel & cabinet: black
Toslink		Frequency Response	4 Hz bis 44 kHz (DVD digital Fs 96 kHz)	Display	blue
Type	S/PDIF			Warranty	2 years "Bring In"
Jack	Toslink			Scope of Delivery	studio player SDI, power cable, infrared remote control, SDI-cable, optical Toslink cable, user manual (engl./germ.)
Signal	digital Audio				



## studio player SDI & picture optimizer plus HD SDI

### Upgraded - the internationally award-winning dreamteam.

Numerous international technical magazines set the innovative cinemateq concept of the all digital chain to the test stand. The testresults - all the same whether on a film screen, a LCD or plasma panel - were described by the editorships as follows:

- ▣ **"Five stars for technology and performance"**  
What Video, England (March '06)
- ▣ **"Exquisite picture experience"**  
Widescreen, Germany (January '06)
- ▣ **"Overall: very good"**  
Audiovison, Germany (January '06)
- ▣ **"Qualitative the maximum level"**  
Cine en Casa, Spain (April '06)
- ▣ **"Very good image quality"**  
Hemmabio, Sweden (April '06)
- ▣ **"Overall: very good"**  
Widescreen Review, USA (April '06)
- ▣ **"Simply phenomenal"**  
What Video, England (March '06)
- ▣ **"Reference image quality"**  
Widescreen, Germany (January '06)
- ▣ **"Brilliant image quality"**  
SFT, Germany (January '06)
- ▣ **"Exquisite quality and picture experiences"**  
VIDEO, Germany (January '06)



cinemateq realized with the new picture optimizer plus HD in a bundle with the studio player SDI the ideal concept for all HDTV functionalities in a modern home cinema with picture- and sound-switching, picture optimization and free scaling up to 1080p, offering 5 analog and 6 digital interfaces for HDTV SAT receiver, PC, VHS, Gaming etc. via HDMI and DVI and full digital mutli channel audiosound.

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## Unequally concept

The best equipment in the home cinema is useless, if the video signal gets loss while the transport. So cinemateq designed a digital architecture which immediately takes over the control after the reading of the DVD, i.e. before any signal processing process is initiated, SDI electronics measures the data stream. In the player now the DVD drive assembly picks the picture information and convinces particularly with the outstanding error correction.

## Unique quality

The SDI interface (in TV studios, which transport interlaced pictures, SDI is the digital standard) provides for the completely genuine passing of the DVD video-images from the player to the scaler, which settles the image processing to one hundred per cent. The output via DVI takes place in all usual resolutions up to HDTV 1080p with perfect scaling and all digitally. The result is a pixel-exact, maximum output result in perfection.

Rear image picture optimizer plus HD



### studio player SDI - the top highlights:

- ▣ professional video output in digital studio quality
- ▣ genuine 1:1 rendition of the DVD content
- ▣ first-class error correction during scanning & decoding
- ▣ high-quality construction in noble design
- ▣ RS-232 interface

### picture optimizer plus HD SDI - the top highlights:

- ▣ videoswitching for 5 analog and 6 digital sources
- ▣ audio switching for 4 HDMI and 5 S/PDIF audio inputs to 2 digital audio- and 1 HDMI output
- ▣ digitally scaling of SDTV (480p/576p), PC formats and HDTV (720p, 1080i)
- ▣ parallel video output via HDMI and DVI

## studio player SDI & picture optimizer plus HD SDI: Features and functions

studio player SDI ▣ dedicated to provide best possible picture quality with no analogue to digital conversion in the full digital signal path ▣ all functions are optimized for a perfect high-end home cinema ▣ all usual DVD functions (zoom, A-B repeat, fixed image etc..) ▣ adjustable display brightness ▣ separate infrared command for ON/OFF ▣ ergonomic infrared remote control ▣ connector for external IR sensor ▣ complete RS-232 control possibility (e.g. for control-systems)...

picture optimizer plus HD SDI ▣ Max. resolution: HDTV 1920 x 1080p at 50/60Hz ▣ fully digital processing ▣ 22 predefined standard resolutions for PAL and NTSC and memory for two pixel exact free definable "custom resolutions" ▣ special film mode detection for PAL and NTSC ▣ Video-switcher function with audio-input function ▣ 2 digital SDI, 4 HDMI, 5 analoge video-inputs (incl. 1 x SCART) ▣ 2 analoge video-outputs and 2 digital DVI/HDMI-outputs ▣ 5 digital audio-inputs plus 4 HDMI and 2 audio-outputs plus 1 HDMI ▣ Each video input can be individually configured with brightness, contrast, colour saturation - & graduation, image position & image size readjustment, aspect ratio & frame rate conversion ▣ parallel video-output via HDMI and DVI...

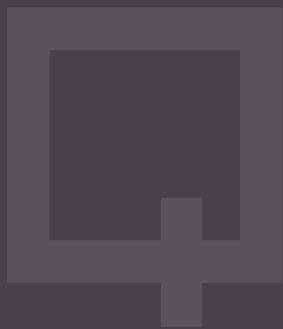
Further technical information can be found on our websites.





We give your style  
the perfect frame.

individual flatscreens by cinemateq



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## If technology or design – the highest demands are your own.

Every cinemateq flatscreen is a special flatscreen: the perfect symbiosis of exceptional technology and puristic design. But what if special is just not special enough? For example if your furnishings are not just furnishings but a complete mirror of your own personality: unique, harmonic, perfect? Then you should not have just any flatscreen, but an individual flatscreen by cinemateq: equipped with high-end technology. And especially designed for your distinctive ambience.

### **This much luxury has to be processed first. And to highest perfection.**

Each flatscreen is configured individually for you. This way a model is developed which fits perfectly to your furnishing style in material, color and habitat. No matter if shiny grand piano black, trendy designer white, noble natural wood or any other surface such as glass, high-grade steel or acrylic: our designers make every wish come true and every material possible. Processed in brilliant craftsmanship to the tiniest detail.

### **True greatness is measurable. In carats for example.**

Often, individuality is just not individual enough. We have already realized even very eccentric flatscreen frames out of polished gems, gold leaf or

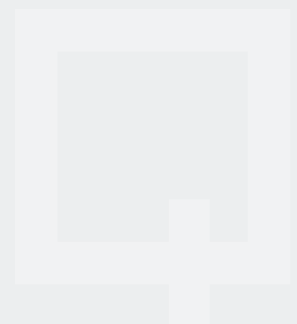
shimmering lacquers from the world of motor sports for very demanding customers.

### **Support and service: just as individual as your good taste.**

An individual flatscreen by cinemateq is made by specialists for individualists. We will support in planning and designing from your first idea onward. You can feel original, diverse material samples and discuss unconventional thoughts with us. We put the perfect processing of the noble materials for your frame in the hands of certified specialists who ensure carefulness, custom work and long life. And in the end, you will fall in love with details you have never noticed on your flatscreen before.

### **The top highlights**

- ❑ Modular structure for a custom configuration of plasma, frame and many accessory modules
- ❑ Control module for up to 14 connectable video sources and 5 digital sound sources (amongst others with 4 HDMI inputs and 2 HDTV outputs (DVI & HDMI))
- ❑ HDTV picture optimizing of PAL material and free scaling up to HDTV 1080p
- ❑ Brilliant black quality, captivating details and phenomenal focus
- ❑ "Made in Germany" with a comprehensive design and customer orientated service



## The simplest decisions are sometimes the most difficult to make.



basic frame "black"

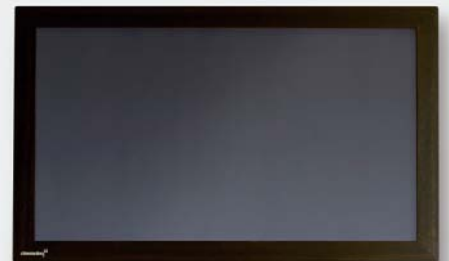


design frame "silver"  
(glass and high-grade steel)

Aside from the Individual Color Line individual material and color variations for its flatscreens, cinemateq also offers you four high quality pre-prepared frame modules. The basic frame Black, made of elegant, mid-night black acrylic glass. The stylish frame White, made of white acrylic glass. The frame Silver, a fascinating composition of glass and high-grade steel. Black Wood, as a natural precious wood alternative which frames your plasma like a valuable painting. It is your choice.



design frame "white"



design frame "black wood"

### Each color has a certain wavelength. Sometimes it reaches to the heart.

One Plasma – infinite color variations and design possibilities. Thanks to our worldwide unique changing frame system you can give your flatscreen a new look within in moment – without tools or energy. Depending on the occasion or your mood, just switch the frame. Your ideas have no limits. You determine the color of your plasma – we will build the frame for it for you. And that strict, geometric forms always have to be angular is yesterday's news. Fluent forms, three dimensional appearances and much more: we are specialists for anything out of the ordinary.



Technical datas (to be found completely under [www.cinamateq.com](http://www.cinamateq.com))



	High End series	High End series	Luxus series
Display-modules	VQ 42 HD	VQ 50 HD	CT 50 HD II
Technology	Plasma	Plasma	Plasma
Screen diagonal	42" (107 cm)	50" (127 cm)	50" (127 cm)
Resolution	1024 x 768	1366 x 768	1366 x 768
Format	16:9	16:9	16:9
Contrast ratio	up to 10.000:1	up to 10.000:1	up to 10.000:1
TV-tuner analog/digital	yes	yes	—
Speakers	2 x 2 Stereo 10 W	2 x 2 Stereo 10 W	—
Wall mount	yes	yes	yes
Dimensions (W x H x D) in mm	1041 x 637 x 89,5	1239 x 751 x 159	1239 x 751 x 159
Weight (with/without stand)	29,9/34,7 kg	53,2/56,5 kg	53,2/56,5 kg
Guarantee	2 years bring-in	2 years bring-in	2 years bring-in



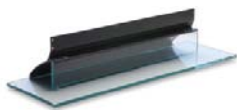
Control-module	optional	optional	required picture optimizer plus HD picture optimizer plus HD SDI
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design frame "black wood"

#### Frame-modules

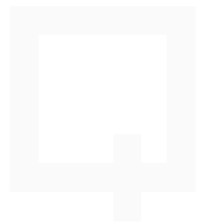
- basic frame "black"
- design frame "glass & silver look"
- design frame "black wood"
- design frame "white"
- design frame "individual"



stand (glass/metal)

#### Optional features

- stand (glass/metal)
- plasma backlights multicolor
- 2 years suburb service (not in all countries available)
- warranty extension on 3 years inclusive suburb service (not in all countries available)



## Who says beauty and intelligence rule each other out?

No matter if VQ 42 HD or VQ 50 HD as a beginning class or CT 50 HD II as a high-end version – the individual flat-screens by cinamateq are as intelligent as they are attractive. And they inspire with user friendliness. Standard with the CT-50 HD II and optional in the beginning class, the picture optimizer plus HD SDI control module is a highlight with a picture optimizing technology developed especially for European PAL and HDTV. Because even the best plasma can not persuade if the DVD player's, SAT receiver's or PC's video signal is of inferior quality.



Our control module generates a perfectly focused and simultaneously natural picture out of all incoming video signals in ideal depiction quality. All of the source devices' signals can be selected via **only one remote control** – messy cables and re-plugging are now history.

# The new flatscreen CT-50 HD II



## Modular structure for an individual configuration.

The plasma display-modul with a screen size of 50" (127cm), WXGA resolution of 1366x768, contrast ratio up to 10.000:1, and the separate control-modul with its specialized video optimization technology for european PAL and HDTV as well as the customizable framework are offering a plasma with an absolute individual character.

### Free selection of frames:

The new CT-50 HD II offers the unique possibility, to arrange the design of the plasma individually: Either with contrast-strengthening black acryl, modern silver glass/steel optics, genuine natural wood or from almost any material and freely selectable colour combination.

### CT-50 HD II control module:

Guarantor for the perfect video quality of the CT-50 HD II is the **picture optimizer plus HD** (SDI) with up to 11 connectable video- and 5 digital audiosources and, with among others, 4 HDMI interfaces. All video- and PC sources like SAT-Receiver, DVD player or any HDTV signal via HDMI can be optimized and scaled up to any resolution up to HDTV 1080p. Optionally available also in a SDI version for connection of a SDI DVD Player.

### Frame modules:

- basic frame "black"
- design frame "white"
- design frame „silver“ (glas/stainless steel)
- design frame "black wood" (real ebony veneer)
- design frame "individual colour" (product will be made to customer specification, nearly every idee can be realized)

### Accessories modules:

The plasma display is supplied with an integrated wall-mounting by default. Optionally an extremely stably, graceful designed glass foot (15kg) can also be ordered like further optional accessories: plasma backlights (offering a surprising impression of a "floating" plasma), high end optical cables as well as the studio player SDI as a DVD source with professional video output in digital studio quality.

Technical data to the single modules are available online:  
[www.cinemateq.com](http://www.cinemateq.com)

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Everyone talks about the future.  
We built it.

flatscreen CT-50 HD

## Next Generation Image Quality.

High-End & Made in Germany. With extreme screen diagonal of 50", phenomenal contrast ratio up to 10.000:1, breathtaking resolution of 1366 x 768 and fully digitalized picture optimisation: The cinemateq CT-50 HD exceeds even the high end expectations of home cinema enthusiasts by far. This is exactly the image quality of tomorrow, we deliver to you today.

### Modular Configuration

The configuration of the cinemateq flatscreen CT-50 HD is modularised and consists of the DVI-Monitor and a separate videoscaler/videoswitcher, the cinemateq control box. Only one single DVI cable is necessary to lead the signals of all the connected peripheral devices into the WideXGA monitor. Ugly spaghetti in your home cinema is water under the bridge.

### Brilliant: 50" and WideXGA

Only big displays with high resolution will be able to match the HDTV technology of the future. Providing 1366 x 768 pixels, the CT-50 HD exceeds the image definition of the HDTV format 720p and with a visible diagonal of 127 cm offers the necessary image size for you to be able to enjoy the breathtaking definition of HDTV from a comfortable viewing distance.



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### Digital Cinema of the Highest Degree with up to 10.000:1 contrast ratio

Brilliant colour without any greyness, dark scenes displayed with superior depth and dynamics and breathtaking definition and plasticity: the effect of high end home cinema lives on the quality of full black contrast.

### control box for up to 8 sources

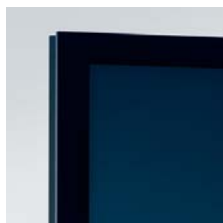
The control box, developed based on the unparalleled picture optimizer plus II SDI Scaler Technology is the core element of the CT-50 HD. It operates 6 analogue and 2 SDI Inputs with individually assigned control boxes for each image parameter. Besides

the common image sources Scart RGB, YUV, S-Video and Scart FBAS, 2 digital sources like SDI Player or SDI SAT-Receiver can be integrated without any loss of signal and can be displayed in HDTV resolution via DVI.

### HDTV Input Box with HDMI Interface (in progress)

The HDTV Input Box, which will be available end of 2005, will bring HDTV into your living room. The module, operated by the control box, already focus the top-modern, future-proof HDMI interface. All SDTV and HDTV signals from 576p to 1080p can be processed HDCP compatible.

## Specifications at a Glance



- ▣ Enormous functional variety
- ▣ Brilliant black level
- ▣ Phenomenal sharpness
- ▣ Terrific picture performance
- ▣ Impressively detailed
- ▣ Little installation work

Testresults of the VIDEO (08/05); In General: "very good", Cost/performance: "very good", Picturetest: "very good"

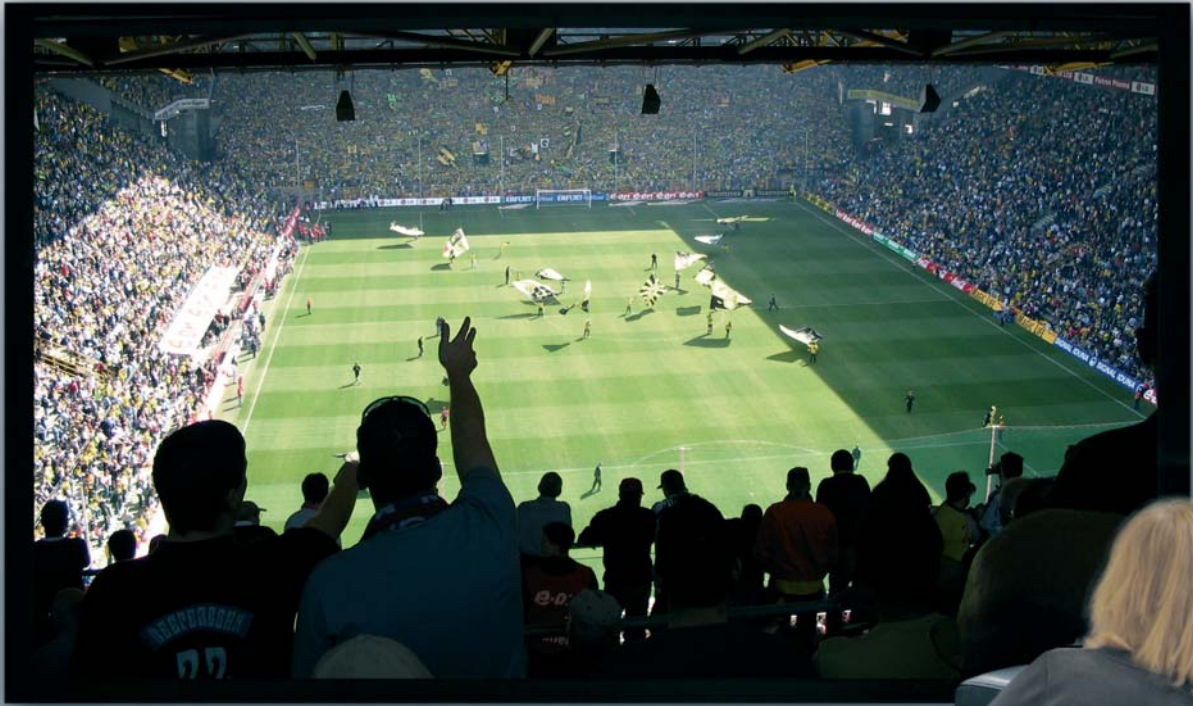
## flatscreen CT-50 HD: Specifications and accessories

Display	Technology	Plasma	Colours	16,77 mio.	Standby	400 W/5 W
	Diagonal	50" (127 cm)	Perspective	160° vert. / horiz.	Dimensions (HxWxD)	951 x 1239 x 259mm (including stand)
	Format	16:9	Luminance	620 cd/m <sup>2</sup>	Weight	53,2 kg (including wall mount) 56,5 kg (including stand)
	Visible Screen	1106 x 622 mm	Miscellaneous			
	Native Resolution	WXGA (1366 x 768)	Power Requirement	115-230 V AC (+/- 10%), 350 W, 50/60 Hz		
	Contrast ratio	up to 10.000:1				

Delivery incl. supporting stand and wall mount.

control box	picture optimizer plus II SDI	Basic functions	Furthermore features
	Precisely adjusted cinemateq picture optimisation technology	<ul style="list-style-type: none"> <li>▣ Aspect ratio conversion</li> <li>▣ Overscan</li> <li>▣ TV-Mode</li> </ul>	<ul style="list-style-type: none"> <li>▣ Remote control via infrared remote control and RS232-interface (9-pole Sub-D, female) for control systems</li> <li>▣ External power supply via 230V AC power supply</li> <li>▣ Dimensions: 431 x 300 x 69 mm (W x D x H)</li> <li>▣ Colour: Silver chassis, blue graphical display, flat brushed, anodized silver front panel</li> <li>▣ Weight: 4.0 kg</li> <li>▣ Scope of supply: cinemateq picture optimizer plus II SDI, infrared remote control, external power supply, operating instructions German/English, 3m DVI cable, etc.</li> </ul>
	Image centre with eight individually programmable terminals	Adjustable picture parameters	
	Video Inputs:	<ul style="list-style-type: none"> <li>▣ Brightness</li> <li>▣ Contrast</li> <li>▣ Colour saturation</li> <li>▣ Colour graduation (hue)</li> <li>▣ Colour temperature</li> </ul>	<ul style="list-style-type: none"> <li>▣ Input configuration (picture parameters)</li> <li>▣ Sharpness adjustment</li> <li>▣ Gamma correction</li> <li>▣ Chroma delay</li> <li>▣ Image position &amp; image size readjustment</li> </ul>
	<ul style="list-style-type: none"> <li>▣ 2 x YUV</li> <li>▣ 2 x Scart</li> </ul>		
	<ul style="list-style-type: none"> <li>▣ 2 x SDI (interlaced)</li> <li>▣ 2 x S-Video</li> </ul>		
	All inputs only accept "interlaced" signals!	All of the parameters above can be adjusted separately for each input.	
	Supported video signal standards		
	▣ PAL / NTSC		

Miscellaneous	Scope of supply	stand wall mount DVI cable (3m) IR-remote control power supply unit OSD Menu, operation manual 2 year bring-in guarantee	optional accessories	HDTV input box (available end of 2005) studio player SDI (available since 10/05)
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## theater screen acoustic

The high-end screen which offers authentic cinema sound.

Easy to install, hard to beat: because "theater screens acoustic" are suited to the special needs of home cinema owners. Due to the perfect acoustic transparency of the special screen fabric the loudspeakers elegantly disappear behind the screen letting a perfectly uniform sound reflect towards the viewer. The interwoven structure also keeps the screen's surface free of crinkles, meaning that neither moiré effects nor judders will be produced by bass pressure.

### Sound and vision like at the cinema.

The "theatre screen acoustic" is designed in such a way that the centre loudspeakers and subwoofer can be positioned behind the acoustically transparent screen.

Only by this means can this sound be reproduced true to the original: with homogenous effects, unusually easy localization of dialogue and without producing any hotspot.

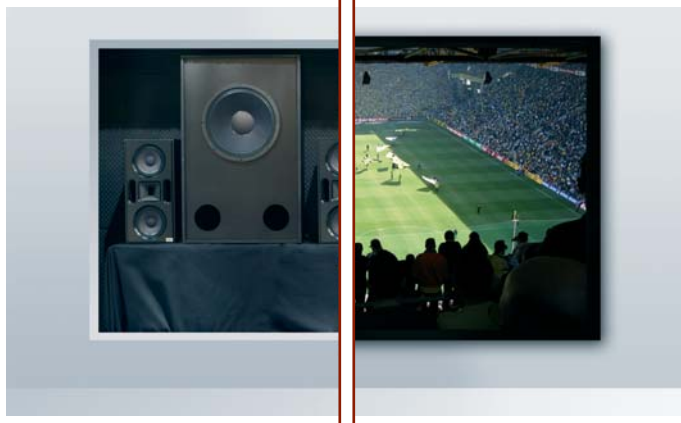
### No crinkles. No moiré.

As a result of the special interwoven structure the surface of our screens is free of crinkles and absolutely no disruptive moiré effects are produced. Assembly and hanging are child's play: only 4 holes are needed for the two wall-mounts of the 8 piece aluminum frame. The special "snap-in system" ensures a crinkle-free surface and simple fast installation.



for better movies . . .

**cinemateq**   
professional home theater



### Highlights

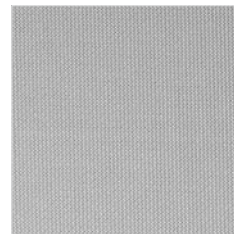
- ❑ maximum acoustic transparency
- ❑ no moiré effect
- ❑ contrast boosting veltex frame
- ❑ perfect cloth tension
- ❑ simple installation

### Screen technology in detail:

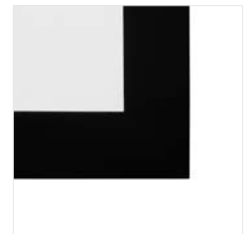
As, unlike normal acoustic screens, ours is not perforated, but consists of a vinyl surface laminated onto woven glass fibre, neither moiré effects nor juddering can be caused by bass pressure. The viewing angle is specially designed for home cinemas, which prevents unnecessary lateral reflections and enables the viewer to watch a perfectly balanced picture.

The aluminum frame is covered with veltex. This special velvet-like coating exhibits properties similar to professional theatre stage cloth:

Light striking it is absorbed not reflected. This guarantees a perfectly terminated picture (no cropping) and eliminates any scattering of light.



The screen in detail: vinyl surface laminated onto woven glass fibre.



The veltex frame ensures perfect picture termination.

### Features & functions

- ❑ light absorbing, contrast boosting veltex frame to ensure perfect picture termination
- ❑ woven structure for more rigidity
- ❑ prevention of waves, moiré effects and hotspot formation
- ❑ maximum acoustic transparency at all frequencies for loudspeakers placed behind the screen
- ❑ very simple frame and screen cloth installation via a "snap-in system"
- ❑ white screen cloth (gain level 1) for maximum contrast
- ❑ perfect cloth tension



## theater screen acoustic: specifications

#### Characteristics

principle	acoustically transparent frame screen
screen material	woven glass fibre with vinyl surface
frame material	veltex coated aluminum
cloth colour	white
gain factor	1

#### Sizes

frame (cm)	screen (cm)	weight (kg)			
220 x 131,5	200 x 112,5	7,5	320 x 189	300 x 169	11,7
240 x 143,5	220 x 123,5	8,2	370 x 217	350 x 197	13,4
270 x 160,5	250 x 140,5	8,7	420 x 245	400 x 225	15,2
295 x 174,5	275 x 154,5	10,2			

Non acoustic screens and special sizes on request

This sound system is copied! From nature.



5.0 soundsystem "natural"



for better movies . . .

cinemateq<sup>Q</sup>  
professional home theater



## New dimension acoustic surround irradiation

The cinemateq 5.0 soundsystem "natural" is an extravagant surround system of top class, setting unprecedented standards in design and acoustics. Following the principle of a natural soundbox, the impressive sculptures unfold three-dimensional sound characteristics, taking a leaf out of nature's book in terms of authenticity and unsophistication.

In comparison, multi-channel-systems with conventional speakers are unable to produce an optimal sound but in a very small area of the room, which is where the directed sound-parts of all converters cross. Everywhere outside this "sweet spot" sensitive acoustic interplay fails, slips out of balance and falsifying influences prevent a stress-free listening experience.

Here is where the cinemateq 5.0 soundsystem "natural" offers the perfect alternative: The sound pillars disseminate the sound nearly as naturally as an instrument - for example a grand piano. The sound can undulate and fill the entire room evenly. The result is astounding: a three-dimensional sound stage, unsurpassable in its naturalness opens up to the listener and just like in a cinema or concert hall, the seating has no influence on the sound quality.

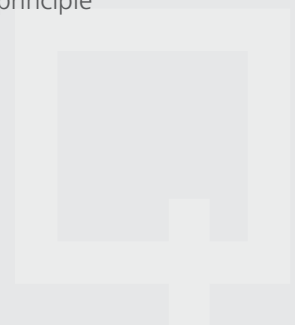
The extravagant design of the sound pillars (individual colouring on demand) and brilliant workmanship top off our concept and position the cinemateq 5.0 soundsystem "natural" in the premium segment of surround systems.

Exclusive home cinema be it in the living room or in the basement - the cinemateq 5.0 soundsystem "natural" satisfies the requirements set by demanding home cinema owners, who attach particular importance to excellent surround sound as well as to the perfect listening experience of any kind of music. Thanks to the natural sound principle - the key differentiator - acoustic "problem areas" can be eliminated and outstanding results can be achieved even in difficult surroundings. Acoustic insulation with carpet, cloth or acoustic boards is usually not required.

Even modern living space in which conventional loudspeakers produce rather questionable acoustics, can be filled with smooth, unostentatious sound using this superior surround system - providing identical top sound quality to every listener in the room, no matter where seated.

### Top 5 highlights

- ❑ Extremely natural sound characteristics based on the natural sound principle
- ❑ Inimitable spatial sound experience of cinema & audio tone
- ❑ Perfect surround feeling. NO "sweet spot" or "bass hole"
- ❑ Ideal for rooms with difficult acoustics
- ❑ Extravagant design & top-quality construction



## Technical description

The cinemateq 5.0 soundsystem "natural" consists of four identical front and rear speakers on the basis of sound pillars, a language optimised centre speaker in conventional loudspeaker design and an active subwoofer (optional).

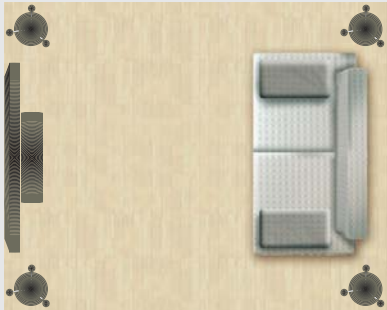
### Natural sound without limits

Contrary to conventional loudspeakers the sound pillars of the cinemateq 5.0 soundsystem "natural" are not restricted to one-directional sound emission. Owing to the patented sound conus the sound evenly disseminates 360 degrees into all directions - in the exact same way as sound is (generated

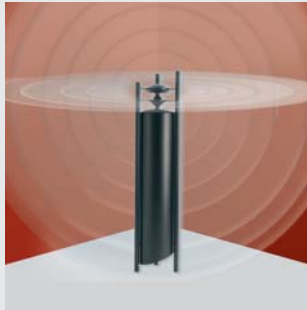
in nature). Reflecting the sound, walls and ceilings form a totally natural sound field. The sound characteristics distinguish themselves by their spatiality, resulting from the fusion of direct and the indirect sound field. No matter where seated in the room the listener will experience the exact same tonal character and an authentic surround sound.

### Precise bass everywhere

In order to counterbalance spatially caused "bass holes" (position dependent "sound extinction" produced by standing waves), the cinemateq 5.0 soundsystem "natural" uses the "corner loaded" bass concept optionally combined with an additional subwoofer. Thanks to four bass reflex woofers integrated into the sound pillars "in each corner of the room" an even bass stimulation of the whole room can be achieved already without an additional subwoofer.



The placement of the sound pillars can be selected freely - independently of spacial conditions.



Acoustic waves are spent spherically and three-dimensional, so a completely new sound sensation develops.

## The unique functionality

The uniqueness of the sound pillars consists in the resonating air columns and resonance areas for the woofer emitting sound downwards as well as in the sound cone for the midrange and high frequency transformer, working as follows:

The central tone cone located at the upper end of the sound pillar irradiates its sound energy perpendicularly upwards against a custom-shaped reflector, whilst the dome-shaped tweeter

directs the sound perpendicularly downwards against the top side of the reflector. This sound lens results in an omni-directional distribution of the acoustic energy into the whole room, covering an angle of 360 degrees.

The outcome is an acoustic experience which comes very close to the one in a live concert, in an absolutely stress-free, unostentatious atmosphere.



## 5.0 soundsystem "natural"

### Features & Functions

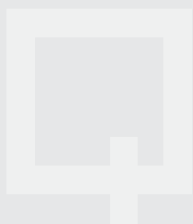
- Front- & rear speaker as sound pillar
- Language optimised centre speaker
- "Corner loaded" bass reflex concept for optimal bass stimulation with 4 high performance woofers
- No acoustic insulation required
- Symmetric positioning not necessary

### Technical data: Sound pillar

Power rating	120 watt (rms)
Impedance	8 W / Minimum 5 W
Typical acoustic pressure	90 decibel 2,8 V / 1m
Frequency response	25 – 20.000 Hz
Diameter	250 mm
Height	1315 mm
Weight	18 kg
Diameter woofer	210 mm
Diameter mid-range speaker	140 mm
Diameter dome-shaped tweeter	25 mm
Colour (pattern / struts)	black / silver
all other colour combinations (bass , RAL or metallic colours) available at extra charge!	black / black white / white silver / silver

### Technical Data: Centre

Power rating	120 watt (rms)
Impedance	8 W / Minimum 5 W
Typical acoustic pressure	90 decibel 2,8 V / 1m
Frequency response	80 – 20.000 Hz
Measurement (h x b x d)	580 x 240 x 90 mm
Weight	8 kg
Colour	black
Diameter mid-range speaker	140 mm
Diameter dome-shaped tweeter	25 mm



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[www.cinemateq.com](http://www.cinemateq.com)

cinemateq   
professional home theater



Goose pimples.  
Now even in your  
auditory canal.



active subwoofer "natural"

This ultimate sound experience will dumbfound you. Created by cinemateq.

Cinemateq brings you the best development since the invention of ears: the "natural" subwoofer. This all-cinemateq creation assures you extreme reserves of power thanks to the ultimate in subsonic bass pressure producing an absolutely relaxing and explosive LFE home cinema experience, sufficient to knock you dead.

**Design: compact. Bass extension: brute**

The cinemateq "natural" active subwoofer not only conceals extreme power ratings behind its compact design, but also combines brute bass extension with the exclusive acoustic control options from professional technology. The flexible controls of the intelligent high performance electronics in ambitious home cinema ensure that the sheer power of the substantial 12" long-throw driver can perfectly adapt to each acoustic environment. Features include two parametric equalizers which individually and effectively balance out any ambient effects of standing waves on the acoustics of your listening area.

**Rating: 100% free of harmonic distortion.**

Anyone wanting to hear should also feel: get yourself an objective impression of the ultimate performance potential of cinemateq's "natural" subwoofer' with the calibration microphone and audio test DVD supplied. Your ears will leap out: here you can get up to 118 dB of sound pressure both in the bass and the subsonic bass ranges. Only the subsonic filter - freely adjustable above 15 Hz and 24 dB steep - can restrict the foundation of the bone dry and absolutely undistorted sounding high end woofer, which extends to the deepest bass frequencies.h



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cinemateq   
professional home theater

## Unbelievable subwoofer reproduction.

### Developed for you.

or a perfect movie experience any home cinema - whether set up in the living room or in the cellar - requires a suitable subwoofer capable of uncompromising LFE channel reproduction. Here the cinemateq "natural" active subwoofer sets an uncompromising standard. Great effort was put into its development by our engineers to meet the

needs of any exacting home cinema owner valuing perfect subwoofer reproduction. What is special is that there is perfect mastery of acoustic problem zones in the subwoofer channel in every kind of room. The integrated parametric equalizer enables even the most difficult environments to be optimally filled with bass sound.



### It is all just a matter of settings.

The numerous adjustment options on the power amplifier - for example subsonic, equalizer or bass boost - can compensate for virtually all critical room conditions such as emphasis or dampening of sound levels caused

by "standing waves". So you can turn your home cinema into a veritable cinema hall in no time at all. You will never have heard your surround sound with such precipitous brute force!

## Highlights

- ❑ ultimate subsonic bass pressure (up to 118 dB SPL at 30 Hz), also for large rooms
- ❑ extremely deeply tuned long-throw driver with TL resonator (tuning frequency 26 Hz!)
- ❑ professional setting options with 400 watt high performance electronics
- ❑ complete calibration system with audio test DVD, measuring diagram and microphone supplied
- ❑ compact, extremely heavy-duty unwarpageable MDF casing



## active subwoofer "natural": technical data

### Subwoofer

Principle TL-Resonator with parametrical equalizer  
 Power handling 400 W  
 Maximum spl: 118 dB at 30 Hz  
 THD+N 1 W / 80 Hz 0,002%

Basket diameter 12" (304 mm)  
 Inputs XLR, Cinch (a-symmetric, stereo), Hi-Level  
 Dimensions (h x w x d) 37,5 cm x 57,5 cm x 37 cm  
 Weight 36 kg  
 Colour black, white and individual

crossover frequency 40 - 155 Hz (adjustable) / 24 dB  
 Subsonic 15 - 40 Hz (adjustable) / 24 dB  
 Phase 0 - 270° (infinitely adjustable)

Bass uprating Max. + 6 dB  
 Frequency for uprating 20 - 55 Hz  
 Equalizer subsidence Min. - 6 dB  
 Equalizer frequency response 22 - 80 Hz



Sorry, this system may cause  
damage on your building!



5.2 soundsystem "professional"



for better movies . . .

cinemateq<sup>+</sup>  
professional home theater



## You have never heard surround sound like this before!

The cinemateq 5.2 soundsystem "professional" is the ultimate surround system for an uncompromising installation that transforms your home cinema into a veritable film palace. With the 5.2 soundsystem "professional" you experience great movie cinema and dynamics like the stirring atmosphere of good real live concerts.

Experience the confident strength of a high efficiency system unleashing virtually unlimited pressure from two 18" drivers, each with a capacity of 320 litres. Enjoy the uncompromising transparency and precise articulation of a satellite system featuring horns producing no less than 100 decibels of finest harmonic and distortion-free sound pressure for each Watt of power amplifier output. Benefit from sophisticated subwoofer electronics, which by virtue of freely adjustable parameters, can be precisely set to your room layout and acoustics.

The system was designed for home cinema owners who value extremely powerful LFE reproduction (Low Frequency Effect Channel) alongside uncompressed dynamics and excellent sound characteristics.

Unlike most "hi-fi systems", the cinemateq sound system "professional" parries even the harshest demands film spectaculars place upon it with stoic aplomb.

For this purpose use is made of intelligent problem solutions which have their origin in professional technology: Acoustic "problem zones" in a room caused by standing waves are chiefly banished thanks to the flexible active cinemateq subwoofer electronics.

Setting options for the subsonic filter, a parametric equalizer for absorbing bass emphasis and a freely adjustable bass-boost for selectively emphasising low bass sounds solve virtually all space problems caused by "standing waves". Experience and enjoy the stress-free and dynamic precision of the cinemateq sound system "professional" at every sound level.

### Highlights

- ❑ extremely high efficiency of up to 100 dB/2.8 V/1m
- ❑ precise sound due to heavy duty high efficiency drivers
- ❑ ultimate home cinema experience even in very large rooms
- ❑ intelligent flexible subwoofer electronics
- ❑ excellent studio monitoring systems for the front channels



These are only some highlights of the sound system "professional". Comprehensive details on all features, functions and facilities of the individual components and further information can be found on the internet at [www.cinemateq.com](http://www.cinemateq.com)

## A combination of brute force and accuracy!

### Technical description

Due to its large loudspeakers this system is designed for a professional installation in which the front channels and both subwoofers are positioned behind an acoustically transparent screen. A matching 3 metre wide screen, which is not caused to vibrate even at the highest volumes, is available from cinemateq.

#### 1 Front speaker

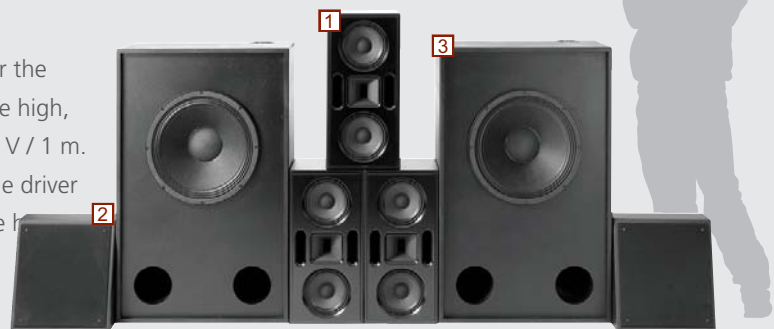
The triple shielded studio front satellites feature two 21 cm bass/midrange drivers and a treble horn (90°H x 60°V) with a 25mm compression driver, polyester film diaphragm and 36mm coil. The extraordinary 100 dB /2,8 V /1 m efficiency of the SVP 1000 front loudspeaker permits the amplifier connected to concentrate easily on the reproduction of both fine and coarse dynamic events. The studio loudspeaker is manufactured from 1.5 or 2 cm thick solid wood and is painted black.

#### 3 Subwoofer with 2 channel active amplifier

The 5.2 cinemateq sound system "professional" reproduces bass by means of two 18" drivers (457 mm) in impressive 320 litre cabinets. Thus reproduction of the LFE channel recorded on many DVDs is more than impressive. The 2 channel subwoofer amplifier supplied produces 2 x 300 W, has comprehensive settings for room adaptation and works without a fan.

#### 2 Surround speaker

The two SVP 100 surround speakers cover the surround area. These loudspeakers feature high, impressive efficiency reaching 94 dB / 2.8 V / 1 m. The SVP 100 has a 210 mm bass/midrange driver and a 1" throat coupled to a medium size horn (90°H x 60°V).



### cinemateq powered by GKF

Based on 45 years experience and authority as manufacturer of electro-acoustic technologies the mark GKF was created of the French company High Fidelity services S.A.S. in 1999 and is today referenced in more than 500 cinema halls, fully equipped with GKF systems throughout Europe. Also numerous well known production companies e.g. Walt Disney, Eurosport or TV5 use GKF systems in their studios.

Following the standards of professional movie theatres technologies, cinemateq developed together with GKF the sound system 5.2 "professional" for the home cinema range, which is assembled with high performances loudspeakers and –components and directly declined from the technology installed in cinema halls. The high sensitivity and performances offered by this system is far ahead usual systems.

### Subwoofer amping:

Contrary to many conventional active subwoofer systems the cinemateq sound system "professional" features a plethora of setting options. Therefore the two subwoofers can be accurately tuned to the acoustics of the room in question. Instead of sound distorting boosts or cuts, the whole spectrum of deep and deepest bass frequencies is reproduced in an even and balanced fashion. Thanks to a built-in automatic stand-by feature the subwoofer electronics can also be positioned behind the screen.

The flexibility of the subsonic, equalizer and bass-boost setting options alongside the many high level signal, RCA or XLR connection inputs round off the high performance active electronics. At a power output of 2 x 300 Watts and an individual woofer efficiency of 98 dB/2.8V/1 m conventional subwoofer performance standards are demolished.

### Subsonics:

The 24 dB subsonic filter provides secure protection against inaudible bass passages which do no good to the woofers. With its 15 to 40 Hz adjustment range this control optimizes tuning to the woofers' handling power or the maximum listening volume preferred by the user.

### Equalizer:

The equalizer function makes it possible to suppress room resonances. In the frequency spectrum from 22 Hz to 100 Hz a narrow frequency band can be lowered by up to 6 dB. This has the effect that a frequency over-emphasis caused by a "standing wave" can be effectively reduced and a strong boom or imprecise reverberation can be suppressed.

### Bass Boost:

The boost-level function effects an increase by up to 6 decibels in the ultra low bass range. The frequency to be employed is freely selectable between 20 und 55 Hz.

### High-Cut:

The high-cut filter sets the upper threshold frequency for subwoofer output and can be freely selected between 40 and 155 Hz.

### Phase:

Phase shifts can be adjusted according to room acoustics or speaker positioning via the 0 - 270° adjustable phase correction.



Subwoofer power amplifier cinemamp

- ❑ 5.2 concept
- ❑ Front speakers with three identical studio monitors
- ❑ unobtrusive rear speakers which radiate at a slight slant
- ❑ double bass concept for optimum bass with brute bass extension.
- ❑ Ideally matched to cinemateq theatre screens
- ❑ Optional: extendable to 7.2 on request
- ❑ Optional: perfect measurement by our audio experts using special software for room acoustics

## soundsystem "professional": technical Data

### SVP 1000 Front speakers

Principle	two way bass-reflex	Frequency response	65 - 18.000 Hz	Basket diameter (woofer)	2 x 8" (210 mm)
Power handling	200 Watt (rms)	Dimensions (h x w x d)	620 mm x 300 mm x 310 mm	Basket diameter (mid-range / tweeter)	1" (25,4 mm) with put on horn (90° x 60°)
Impedance	4 Ohms	Weight	19 kg	Connections	Banana screw terminals
Sound pressure	100 dB 2,8V / 1m	Colour	Black Cinema		

### SVP 100 Surround speakers

Principle	two way bass-reflex	Frequency response	90 - 19.000 Hz	Basket diameter (woofer)	8" (210 mm)
Power handling	100 Watt (rms)	Dimensions (h x w x d)	420 mm x 400 mm x 250 mm	Basket diameter (mid-range / tweeter)	1" (25,4 mm) with put on horn (90° x 60°)
Impedance	8 Ohm	Weight	12 kg	Connections	Banana screw terminal
sound pressure	94 dB 2,8V / 1m	Colour	Black Cinema		

### EXB 600r Subwoofer

Principle	bass reflex	Frequency response	24 - 2.000 Hz	Basket diameter (woofer)	18" (457mm)
Power handling	600 Watt (rms)	Dimensions (h x w x d)	1100 mm x 700 mm x 420 mm	Connections	Banana screw terminal
Impedance	8 Ohm (min. 6,4 Ohm)	Weight	52kg		
Sound pressure	98 dB 2,8V / 1m	Colour	Black Cinema		

### cinemamp Subwoofer power amplifier

Principle	discrete power amplifier with parametric equalizer	Phase adjuster	0° - 270° (infinitely adjustable)	Connection types	XLR, Cinch (a-symmetrical, stereo), hi-Level
Rated output	2 x 300 W (rms)	Bass boost	0 bis max. +6 dB	Dimensions (b x w x d)	435 mm x 335 mm x 175 mm
Cross-over frequency	40 - 155 Hz (adjustable) / 24 dB	Frequency for boost	20 - 55 Hz	Weight	15 kg
Subsonics	15 - 40 Hz (adjustable) / 24 dB	Equalizer for lowering	0 bis max. -6 dB	Colour	black
		Frequency range of equalizer	22 - 100 Hz	supply voltage	230 v / 50 Hz

Minimalist Elegance

Maximum Surround Experience



5.1 soundsystem "ambiente"

## A room filled with sound - but not filled with loudspeakers!

The cinemateq 5.1 sound system "ambiente" links outstanding workmanship in a timeless chic design with an amazing fullness of sound, taking into account the system's tiny size. It is the ideal solution if limited space is available, but a large measure of sound quality is required.

### Nearly too small...

Accordingly when matching the "ambiente" surround system the focus was on making possible a fully fledged sound that was true to the original, even with an extremely compact home cinema system. Whether in the living room or in the bedroom - the cinemateq sound system "ambiente" will appeal to anyone not wishing to go without first rate surround sound, but equally valuing virtually invisible installation in any design-orientated home environment.

### ... to be true!

Despite its diminutive size the 5.1 sound system manages to do what is virtually impossible: i.e. a miracle of sound which can be experienced in almost any room and which provokes utter disbelief. A compact surround system of comparable size rarely plays such colourful, powerful and voluminous music. Instead of a subdued pace, frequently to be found in this weight class, the ensemble confidently focuses on balance, abundant tonal colours and the achievement of authentic homogeneity void of



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### Puristic understatement

The five satellites owe their outstanding homogeneity and amazingly spacious dispersion characteristics, going up into the high frequencies, to the 80mm wide bandwidth system. Alongside them, the subwoofer suitably partnered to the cinemateq sound system "ambiente", effectively complements the impressive surround

backdrop with its extension right down to the infrasonics.

This gratifyingly compact system is not deterred by even the blackest bass sounds and thanks to its powerful 80 Watt amplification and effective bass-reflex support it is able to serve up pumping bass effects which go up as high as 102 decibels.

### Highlights

- perfect home cinema system almost vanishes on installation
- precise sound due to solid, low resonance MDF construction
- the satellite loudspeakers' extremely compact build
- visually unobtrusive cube-shaped active subwoofer
- timeless straight-forward design, casing finished in white textured paint



### Satellite loudspeaker "ambiente"

The surround system "ambiente" consists of five satellite loudspeaker cubes with 80 mm midrange/tweeter drivers possessing excellent sound characteristics. As a result of its small size the surround system proves to be an ideal partner for all home cinema applications needing a "compact" loudspeaker system to allow entertainment and style to unite.



### Subwoofer "ambiente"

The active subwoofer's powerful 80 Watt power amplifier, adjustable frequency level and bass-reflex assisted woofer win it many plus points. Big power from a tiny size is its strength in any place where space is in short supply. The subwoofer homogeneously rounds off the satellite loudspeakers' sound and under-scores the surround backdrop with a powerful bass backbone.

## soundsystem "ambiente": technical data

#### Satellite loudspeakers

Principle	Speaker cube	Sound Pressure	84 dB 1W/1m	Weight	1 kg
Power handling	60 W (rms)	Frequency response	100 - 18.000 Hz	Colours	white textured paint
Impedance	4 Ohms	Dimensions (h x w x d)	98mm x 98mm x 114mm (including loudspeaker connections)	Basket diameter	80 mm
				(midrange / tweeter)	

#### Subwoofer

Principle	Active bass module / bass-reflex	Maximum spl	102 dB	Weight	8 kg
Power output	80 W (rms)	Frequency response	30 - 200 Hz	Colours	white textured paint
Impedance: line-in	29 kOhms	Dimensions (h x w x d)	275mm x 260mm x 285mm	Basket diameter	175 mm
				(woofer)	
				Mains voltage	230 V / 50 Hz

## Higher Tech. Unavailable in any dictionary - only from us.

Sometimes we just have to coin new words to adequately describe our inventions. For example, the sensational HDMI & audio upgrade kits for the picture optimizer plus II (SDI). Much higher than high-tech. Above all, an absolute "must" for anyone wanting to have his home cinema at the pinnacle of current technology.



The HDMI & audio upgrade kits arm the picture optimizer plus II (SDI) for any digital HDTV application, such as HDTV digital/audio switching, HDTV image optimization, HDTV de-interlacing and any scaling as high as HDTV 1080p. And there are yet more innovations in its arsenal: for example AV switching functions for five additional digital audio sources, which can be flexibly assigned to the total of 11 video sources which the scaler can connect to. Or twin outputs for both digital HDTV video signals and digital multi-channel audio. Put plainly: simultaneous operation of two HDTV devices and multi-room use which no one but cinemateq can offer you.

### 11 video sources / 5 digital audio sources

All over 11 video- and 5 audiosources can be assigned for a convenient AV-switching, whereas the uncoupled audio signals are transmitted not only by DVI or HDMI, but also via S/Pdif or Toslink to your digital surround receiver. There is also the further option of making unencrypted (HDCP free) input sources available at the scaler's output in the form of YUV or RGB signals for older plasma panels or analogue CRT projectors. With the HDMI & audio

upgrade kit the picture optimizer plus II (SDI) has all the necessary inputs and outputs for existing AV equipment and future HDTV devices. So it is possible to connect the picture optimizer II to HDMI sources such as HDTV SAT receivers, DVD players with HDMI outputs or PCs with DVI outputs. With, for each input, freely selectable parameters for picture values, display formats and output resolutions for optimizing and making individual fine adjustments to HDTV signals for digital monitors or projectors. In each resolution and price class too.

### Highlights

- 4 additional scalable HDMI inputs with full HDCP support
- 2 digital HDMI and DVI HDTV outputs with audio and full HDCP support
- digitally scales 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 a total of 2 digital audio and 2 HDMI/DVI outputs

For further information visit [www.cinemateq.com](http://www.cinemateq.com)

## New technical data with HDMI & audio upgrade kit

### Video-Inputs (11)

- 1 x SCART-jack with RGB or FBAS signal
- 2 x FBAS or SDI Version 2 x BNC-Buchse
- 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

### Switching

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

### 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 with audio (HDCP compliant)

### Audio-outputs (4)

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

### resolutions

- 22 predefined standard resolutions for PAL and NTSC
- Max. resolution: HDTV 1920 x 1080p bei 50/60Hz
- 2 pixelexact, free definable "custom resolutions" for PAL and NTSC

# plasma backlights



## Let your screen float. And your eyes relax.

A lucent example of outstanding design in combination with genuine benefit: plasma backlights by cinemateq. The absolute climax for owners of a flatscreen. With this innovative background lighting each plasma or LCD monitor transforms into a fancy design object. The surrounding background lighting supplies an additional invaluable advantage: a completely relaxed visual character and with that considerably less strain on the eyes.

The various colored lighting surrounds the equipment with mellow light, which creates a floating impression for the flatscreen. A clearly proven advantage of the plasma backlights is relaxed viewing, as the surrounding backlights rest the eyes but also increases the depth effect of the picture impression

The multicolor background lighting can be changed individually by remote control with different brightness stages and colors.

Thus you have the free choice from a nearly infinite number of background colors. If one color should be enough for you, you can choose from the single-color white or blue lighting units.

The plasma backlights can be installed additionally to every flatscreen as of size 42 ". Very simple and without problems. And should you wish for more: you can also use our plasma backlights on loudspeakers, furniture, artwork and on much more.

### Scope of delivery

The plasma backlights set consist of two multicolor (and/or blue or white) LED light wands, a control device with external IR receiver and an IR remote control.

The light wands are fastened laterally to the flatscreen with the contained sticking-points and connected with the controller. Operation exclusively by IR-control.

### The Top 5 functions:

- Surprising impression of a "floating" plasma
- Changes each flat screen into an attractive design element
- Improved contrast impression for the viewer
- Pleasant and relaxing for the eyes
- Long-lived and energy efficient LED technology

### Technical data:

Colors of light: multicolor, blue or white  
 Size: 60cm  
 Weight (in total): 450g

Further information under [www.cinemateq.com](http://www.cinemateq.com)



for better movies . . .

cinemateq   
 professional home theater

# cinemateq workshops

Advantage through knowledge. Now we optimize our most important resource.

As of March 2006 cinemateq will be offering interested specialist dealers one and two-day workshops on different aspects of the complex digital video & audio technology involved in homecinemas. Their goal with is to raise know-how and advisory skills to the same high level which cinemateq's engineers implement on a daily basis.

Experience shows that dealers with well-founded first hand specialized information (directly from the manufacturer) can develop practical and thus valuable knowledge with which they can maintain a reliable footing in the rapidly developing field of high-end technology and successfully advise their customers.

cinemateq **workshops** make it possible to broaden and extend the understanding of topics such as **"audio & video"** (i.e. independently of the manufacturer and to familiarize oneself with all **cinemateq products** in a separate course. This knowledge can then be utilized when selling or also to recognize potential errors and learn their solutions.

In order to ensure **optimum conditions** for technical training the workshops are held at cinemateq in Gräfelfing / Munich.

Additionally each participant can also take advantage of a special "on-site coaching" involving a cinemateq engineer "coaching live" in the retail outlet so that what has been learned can be used optimally and applied in practice.

**All workshops apart from "on-site coaching" are held at cinemateq in Gräfelfing / Munich.**

**The price per head** includes transfer from/to the airport or railway station, food and 1 night's accommodation if at least 2 workshops are booked. On request we also offer to organize a supporting programme before or after the day of the workshop for workshop attendees.

**In the case of "on-site coaching"** there are also travel charges & expenses for our engineer's visit on top of the workshop fee.

The following four workshops are available. On request they can be customized in terms of content:

## In-house workshop "cinemateq professional" successful demonstration and sales

Complete cinemateq home cinema solutions and their convincing demonstration achieve their goal if all units are professionally installed and perform perfectly during demonstration.

In addition to a clear guide to optimum video and audio setup a combination of specially selected film excerpts and optimum picture and sound settings in cinemateq reference cinemas really has an impact, based on the principle that "quality sells".

**Duration approx. 3 hours, price per head 295.- Euro**

- correct AV setup begins with video and audio sources: which settings ensure the best quality?
- optimum input configuration for the picture optimizer plus II HD: more quality and ease of operation in practice
- optimum output configuration for the picture optimizer plus II HD: the perfect picture for projectors and plasma panels at each price point and for each resolution class
- advice on home cinema organization: impressive light and intelligent screen technology
- a guide to acoustics & room acoustics: an introduction to acoustics, PC simulation of room acoustics, calibration and adjustment of the active electronics of cinemateq's subwoofer using cinemateq's audio test DVD
- successful demonstration of cinemateq home cinemas with film excerpts which fascinate and arouse emotions

## In-house workshop "digital A/V" - perfecting digital video & audio technology in home cinema

This course gives an overview of important basics reaching back to the historically interesting roots of cinema and video technology and culminating in today's full digital video and audio home cinema

Well-founded information in its entirety forms the basis for advisory skills and business success in the age of digital media.

**Duration approx. 5 hours, price per head 495.- Euro**

- The original: cinema technology from 1893 to today, from 4:3 to 21:9 from silent movies to DTS cinema sound - brief fundamentals of today's home cinema audio and video formats.
- the basics of analogue television engineering: from blanking interval to interlacing, from black-and-white to HDTV
- digital AV technology: the fundamentals of digital technology, MPEG 2/4, SDI, DVI, HDMI, DDC, HDCP, DRM
- video processing: de-interlacing, video scaling and professional picture adjustment using reference signals
- digital audio technology: PCM, DD & DTS bitstream, S/PDIF audio extraction via HDMI
- future home cinema and multi-room: AV cable technology, AV switching, HDMI routing and distribution

## In-house workshop "cinemateq support" - having the edge through technical know-how

Cinemateq products in support - don't be afraid of technology: those interested in and adept at this workshop are tutored and receive practical training. Every aspect of technical service and support is spotlighted from firmware upgrade via RS232 control to the various upgrades to older devices.

Competent advice on all analogue and digital interfaces plus further important details on MPEG artifacts and such things as the legal position on copyrights give you confidence to handle all customer inquiries.

**Duration approx. 2 hours, price per head 195.- Euro**

- training in short repairs: testing hardware for faults, exchange of LC display and IR-remote
- firmware upgrades via RS-232 and with a programmer, fitting and testing the SDI upgrade kit
- system integration via RS-232 remote operation, Crestron & Co, programming the pp II by hyper terminal
- correct connection and testing of analogue and digital interfaces, troubleshooting
- what is an error and what is an artifact of digital technology: all aspects of digital display technology are illustrated and explained from mpeg block noise to dynamic dither and false contours. The same goes for transmission of DVDs by broadcasters via DVB-T/S to HDTV what is legal, what is illegal: key advice on copy protection and copyright

## On-Site Coaching "After Workshop"

On-site coaching - after successful participation in our workshops we are also available to you on request locally in order to go over what you have learned and to respond individually to your queries or problems.

We try and find solutions to all issues, to offer individual and in-depth courses and we try and help you to make your product demonstration successful.

**Duration approx. 5 hours, price negotiable, plus expenses**

- checking the projector, plasma panel and all video sources connected to the cinemateq picture optimizer plus II HD for correct picture quality
- checking for correct loudspeaker and subwoofer installation via a computer measuring system and cinemateq subwoofer test DVD
- assistance and advice in the case of complete home cinema installations, screen options, wiring, HDMI distribution, special manufacture etc.
- holding staff training courses on the dealer's premises

Ms. Dagmar Schlegel of our sales team will be pleased to reserve you any dates. Just call +49 (0)89/89 13 69-0 or email ds@cinemateq.de.

[www.cinemateq.com](http://www.cinemateq.com)





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