MDC-X Media Server
Media on Demand Control

The **MDC-X Media Server** is a state of the art combination of hardware and software to control the Mirror Head, media content and other output devices.

The **MDC Controlling Software** offers functions such as: media manipulation, geometric corrections, seamless transformations, presets and DMX / Art-Net™ control. All these function can be used at the same time and in real time for a wide range of creative development and production applications.

In addition to the **MDC Controlling Software**, the **MDC-X Media Server** offers built-in functionalities like time scheduled shows, show automatization, remote control, the MDC-Touch, as well as, interfaces for OSC, DMX / Art-Net™ and other standard signal compatibilities.

MDC-Touch allows the user to remotely control the **MDC-X Media Server** playback engine using any device that has a browser (e.g. smartphones, tablets or desktop computers). Importantly, turning a projector on and off can also be done using the touch screen of your device.

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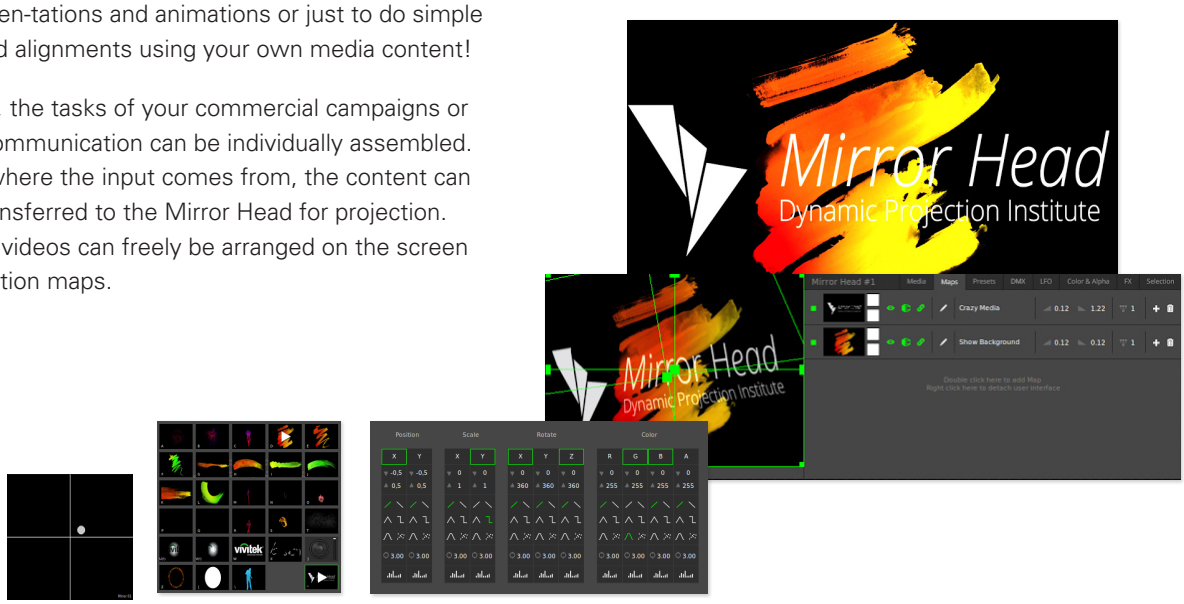
MDC-X Turnkey solution media server
Media on Demand Control

It just takes a few simple steps to create perfectly designed perspective projection mappings, picture-in-picture presen-tations and animations or just to do simple cropping and alignments using your own media content!

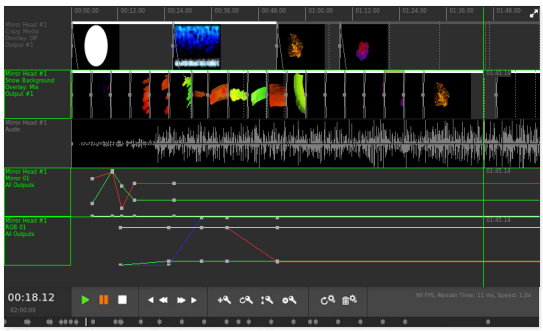
On demand, the tasks of your commercial campaigns or corporate communication can be individually assembled. No matter where the input comes from, the content can easily be transferred to the Mirror Head for projection. Images and videos can freely be arranged on the screen using projection maps.

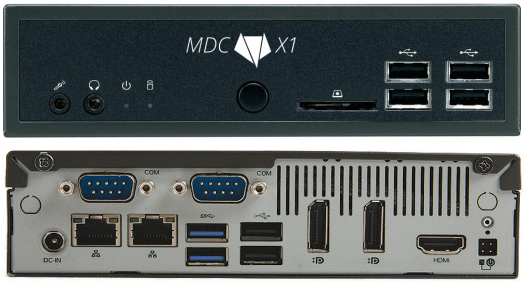


Use your own favourite media formats! The **MDC-X** supports all major video codecs and ensures highest-quality output. High-resolution image files are displayed optimally even when scaled or distorted.

Exporting your shows and still images is an easy task - if your customer requests a project export, just click the export button.

The **MDC-X** offers a timeline and key frames based DMX engine for easy control and integration of any DMX fixture. Together with the Mirror Head you can create awesome effects for your audience within minutes.





The **MDC-X** is a robust 1.3L System with H81/H87 chipset for Intel LGA1150 desktop processors. Its slim metal chassis including a VESA mount, versatile connectivity and reliable operation in up to 50°C of ambient temperature make it ideal to be used with the professional Mirror Head equipment.

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Key features of MDC-X System

- Out of the box, Ready to use system - optimized for Mirror Head
- Industry approved highly optimized Linux Operating System
- Smooth playback of multiple mapped layers of HD footage
- Soft-edge blending of Maps
- Timeline and Preset controlled show engine
- Automatic Output Configuration and Reconfiguration if loss of display occurs
- Remote control over Web-Based (Touch) interface
- Automatic and Manual control mode (anytime switchable) for maximum flexibility
- Scheduler-System
- OSC Interface for remote control
- Pack&Go Data Backup for easy transfer of Material
- Media Pool with easy network-drive connection (FTP, Samba, Windows Share)

Key features of MDC Touch

- Web-based interface for web browsers and touch devices
- Easy Job-, Mirror Head- and Projector Control
- Preview of all Media with thumbnails
- Web-based remote control of MDC projects
- Starting and stopping projects and playlists with just one click
- Easy switch between automatic and manual shows
- Multiuser and multitasking system
- Special "Customer Panel" to group common tasks
- Responsive Design - fits any screen or any device

MDC-X SOFTWARE SPECIFICATIONS

- Multi-Core CPU optimized software engine
- Industry approved highly optimized Linux Operating System
- DMX-512 over Art-Net Support for multiple universes
- X/Y PAN-TILT DMX Mode for easy integration of the Mirror Head device
- Key frame based Media Mesh and Texture projection mapping
- Free form FX engine
- Low Frequency Oscillators (LFO) can be applied to Maps to add dynamics to your stage / projection design
- DMX Fixture Panel for full control: Each Layer controls one DMX Universe with up to 512 Channels. Channel values can be set individually, grouped into Presets, or timeline controlled using Key frame Animation.
- Multiple media types such as videos, audio files, images, custom text, camera input, 3D models can be loaded and playback simultaneously on multiple projection surfaces trough different outputs.
- Compatible with all major video, image and audio codecs
- Adjustable tessellation depth for projection maps and UV-mappings
- Variable playback speed to give the show the final touch
- Save current state of Maps, Textures, LFO, DMX, and many more into Presets - load Presets anytime later to get back to the former state.
- Free Map Transformations to fit almost any geometric aspect of your mapping
- Pre-defined mapping transformations: Arc, Box, Circle, Half Circle, Ring, Sphere, Triangle and many more
- Key frame animations for Maps, Texture, Media, Audio and DMX
- Multiple Overlay & Mask mix modes
- Export of projects / timeline to video or still image sequence
- High quality, adjustable real time media rescaling up to Bicubic2 interpolation.
- Playlist Mode for grouping Projects for automatic playback with custom fade times
- OSC connectivity with learning function
- Pack&Go Data Backup for easy transfer of Material

MDC-X HARDWARE SPECIFICATIONS

- Slim 1.3 litre metal chassis, black
- Dimensions (W/D/H: 165 x 190 x 43 mm
- Weight: 2,5 Kg
- Ambient temperature range: 0~50°C
- Relative humidity, non-condensing: 10~90%
- Including VESA mount (Wall mount for VESA optionally)
- Active dual-fan heat pipe cooling system ensures whisper-quiet operation and system stability
- Supports Core i7 / i5 / i3 "Haswell"
- Intel H81 (MDC X1) / H87 (MDC X2) Express Chipset
- 60 / 120 GB SSD
- 4 / 8GB RAM
- Internal Mini-PCI-e Wireless kit with high range antennas with speed up to 300MBit/sec
- 4K support (features depends on processor and output configuration)
- External 90W fan less power adapter
- Kensington lock
- 2x Gigabit LAN (RJ45)
- 1x HDMI v.1.4b connector
- 2x Display Port connectors (DP, supports 4k resolution)
- 2x USB 3.0 Type-A
- 6x USB 2.0 Type-A
- 2x RS232 serial ports (D-Sub9 - 5V / 12V, 1x switchable to RS422 / RS485)
- 1x Audio Line out (Mini-Jack)
- 1x Microphone in (Mini-Jack)
- 1x SD Card Reader

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