

# XTV Suite

MULTIFORMAT PLAYOUT SD/HD



## BROADCAST TV AUTOMATION SOFTWARE SUITE

- All in one broadcast playout, scheduling, recording, trimming, routing and failover recovery
- Multiple formats playout HD-SD with automatic video up/down scaling
- Multiple codecs playout in the same playlist: Dv, HDV, Mpeg-2, DVD, DIVX, Mpeg-4, Mpeg-1, H.264, WMV, MXF, QuickTime etc. with resolutions and framerates automatic adaption
- Direct file playout from NLE
- Multichannel and high availability configurations
- Automatic control of delays/advance on playlist and filler managing
- Live source full handling inside the playlist: from VTR, Switcher, GPI to Cart Machine
- Clip trimming and metadata insertion for EPG or graphic contents
- Jingle machine feature for instant videos playout
- 4 audio channel controls
- Automatic/manual graphic overlay, from simple logo to flash animation with dynamic text
- Subtitle managing and playout
- User friendly playlist view with explicative colour scheme
- Has-run and system logs for certification
- File sharing on LAN architecture
- Fast, powerful, reliable and maintenance free

# XTV Suite

XTV Suite is a professional complete set of software tools for TV stations which manages from video capture, trimming, scheduling to playout. Completely automatic and unattended efficiency 24/7.

XTV is perfect for TV stations, Satellite Channels, Cable TV, News Room, Web TV, CCTV, Corporate TV, Presentation, hotel pay tv channels, museums info channels and video wall display, which can take advantages of its user friendly interface.

At the same time, multi-channel tv stations and tv networks can enjoy XTV's scalable structure and universal file compatibility.



## OVERVIEW

Digital video hardware and software vendor adopt their own proprietary or preferred standard, a universal video file format does not actually exist. XTV is designed to achieve a true **'universal format' compatibility** and provides broadcasters with a powerful tool which can virtually play all media format from any source or feed.

XTV makes video workflow, **from capture to playout**, even more seamless and direct.

XTV ties together all production departments allowing direct playout of DV, HDV, MPEG-2, DVD, DIVX, MPEG-4, M-JPEG, MPEG-1, H.264, QuickTime, MXF, etc..., in any resolution or framerate with automatic adaption..

XTV playout also **controls external devices** such as VTRs, routing switchers, cart machines and GPIs. Playlist may include external sources from feeds or live production studios and are sequenced together with cassettes and DVDs.

Playout is always frame accurate featuring **seamless cuts** between clips or fades, wipes and other and automation are included. Dynamic playlist allows "last second" changes to the schedule.

## MAIN FEATURES

### Media Compatibility and multiformat benefits:

XTV plays out any kind of media in any resolution: DV, HDV, MPEG-2, DVD, DIVX, MPEG-4, M-JPEG, MPEG-1, H.264, QuickTime, MXF, etc.

XTV allows to adopt and mix any media format according to broadcaster's production workflow and pros and cons of each AV codec.

For example:

- News, field produced in DV and edited in native format
- NLE productions with Premiere, Final Cut, Avid, Edius, Liquid, VT, etc.
- No conversion is needed allowing fast export times
- Movies and fiction on DVD and played out from VOB files
- Live satellite or studio feeds captured in DIVX high quality or traditional MPEG2 IBP
- Spot commercials and promos received on CDs or via internet in various formats

### Hardware Compatibility:

VGA, BlackMagic, Aja, Blufish, DV FireWire 1394, IP streaming or any windows DirectShow device.



XTV COMPACT SDI:1 RU, 1 Play, 1 Rack, 6 TB Storage

### **Dynamic Playlist:**

Real time playlist management without black frames nor freezes.

Last minute changes, replacements or trimming of any clip, including logo and transition properties.

Tape based and live events are sequenced in the playlist through control of VCRs, routing switchers and GPIs.

### **Advanced Scheduler:**

Unlimited playlist length with automatic clip skipping and cutting when late. Duration stretching when ahead of time.

Sequence loop. Automatic filler insertion for gap handling.

### **Log Report:**

Status and playout logging, with XML export for easy processing and printing.

### **No Database:**

Metadata is saved directly into media file, allowing file rename, copying and moving.

## **XPLAYOUT: multiple format engine**

- Designed for automatic 24/7 operativity
- Userfriendly interface and no specific training required
- Output on PAL/NTSC – SD/HD video and streaming over IP in the highest broadcast quality
- Compatible with most know popular videocodec with automatic video up/down scaling
- Dynamic playlist management for last minute changes
- Automatic clip skipping, trimming and stretching for accurate timed events
- Playout tapes and live feeds with routing switchers, VCRs, cart machines and GPI control
- Instantly play files from any NLE system
- Manual/automatic spot/jingle machine playout mode
- Accurate frame with transition effects and logo/graphic superimposing, automatic or manually controlled
- Cg engine and editor for graphic overlays such as: logo, texts, clock, crawls, rolls, images, swf with dynamic text
- Subtitle controls with template editor for colour and dimension settings

## **XCAPTURE: easily ingest in multiple format with advanced features**

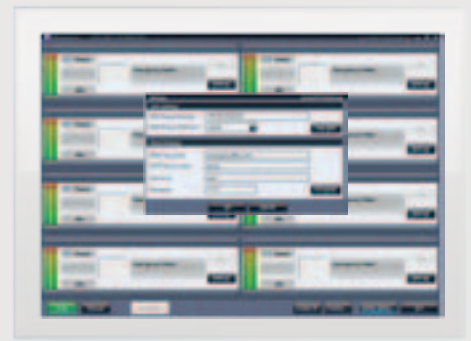
- Real time capture in multiple formats selectable from DV to DIVX or MPEG
- Composite, Component, S-Video and SDI input, according to installed hardware
- Manual ingest or time scheduled capture for automated operations
- Realtime metadata entry during capture in specific input fields for classification
- User selectable field inversion of interlaced video
- Input signal monitoring with audio level adjustment

## **XSCHEUDLER: Offline playlist editor**

- Playlist management and editing
- Allows program editors to create or edit schedules many days/weeks in advance
- Runs on networked PCs, no need for specific hardware
- Clip insertion by gender: spots, promos, movies, video clips, news, etc.
- Media browsing and viewing on local network
- Advanced features: text search, cut, copy, paste, replace, multi selection editing, printing, exporting, undo/redo, drag & drop from clip explorer/browser
- Intregrated with Xtrimmer for instant metadata modifications and preview
- Frame accurate

## **XTRIMMER: Metadata media editor**

- Offline Media Editor for metadata entry and clip splitting/segmenting
- All metadata are saved into media file allowing renaming, copying and moving without any database
- Clip ID entry: name, category, notes, subclip, duration, mark in, mark out and reference image
- Install on all NLEs and capturing workstation or any other networked PC, with no specific hardware
- Clip splitting for advertisement breaks insertion.
- Full control of video parameters: audio volume, video proportions, field etc.



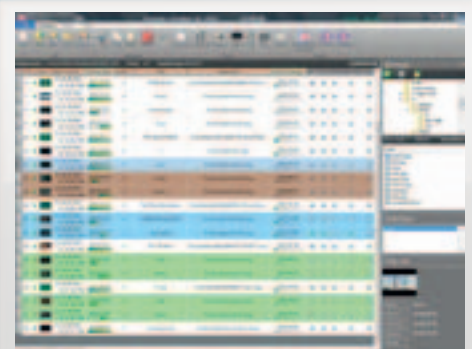
**XEMERGENCY (FREE)**



**XPLAYOUT**



**XCAPTURE**



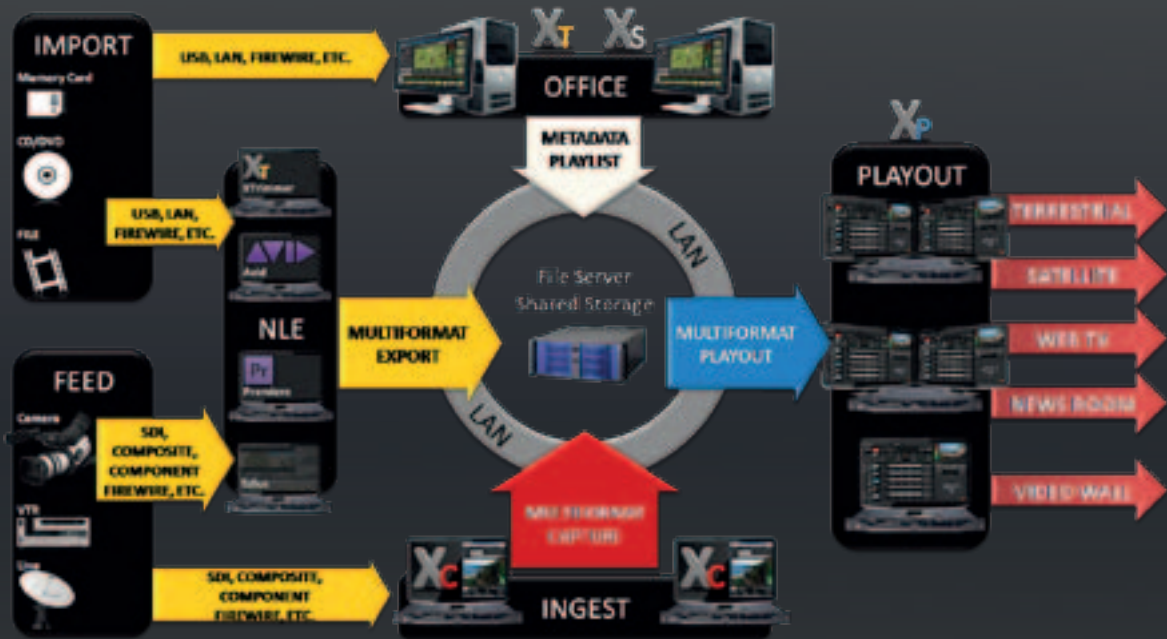
**XSCHEUDLER (FREE)**



**XTRIMMER (FREE)**

## MULTICHANNEL LAYOUT

Media is produced on NLEs or ingested directly on fileserver shared storage to create a true tapeless TV environment.



## SINGLE CHANNEL LAYOUT

For small TVs or demo room.

Media is produced on any NLE and saved directly on playout local storage though LAN connection

## MODULES AVAILABLE



## XTV Suite TECHNICAL SPECIFICATIONS

### MINIMUM SYSTEM REQUIREMENTS

|                         |  |
|-------------------------|--|
| Operating System        | Microsoft Windows™7  |
| CPU                     | Intel 4 Core minimum   |
| RAM                     | 4 GB   |
| VGA                     | 1920x1080  |
| A/V capture device      | BlackMagic DeckLink and Intensity or any Windows WDM capture card                                  |
| Audio Board             | Windows compatible audio card  |
| Suggested HD / security | SATA grade 1 / RAID 5  |
| Output Video cards      | BlackMagic DeckLink and Intensity, DV (E1394 Firewire), BlueFish, Aja                              |
| Video Formats           | DV, HDV, MPEG-2, DVD, DIVX, MPEG-4, M-JPEG, MPEG-1, H.264, Quicktime, WMV, MXF and others          |
| Controlled VCR          | Sony VP9000 Umatic on RS 232; Sony UVW 1200 Betacam on RS 232; Generic Sony RS 422 device protocol |
| Cart-Machine            | Digi-Cart Multiformat on RS 232  |
| Routing Switcher        | Self customizable protocol on RS 232 / 422, Blackmagic Videohubs                                   |
| GPI                     | PCI card 8 IN and 8 OUT, MOXA TCP  |

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