

Technical Specifications

System Requirements Producer

- ▶ OS: Works on any operating system (PC/Mac/Linux) with Adobe Flash Player version 9.0.115 or later (current Version: 10.0.12.36)
- ▶ Browser: Microsoft Internet Explorer, Firefox, Opera and Apple Safari Browser supported (free software download on <http://www.adobe.com/flashplayer>)
- ▶ Processor: Current hardware recommended, for example Intel dual core processor with 2 GHz or more
- ▶ Memory: 1GB of RAM or more
- ▶ Display resolution: 1024x768px or higher
- ▶ One computer per camera stream recommended
- ▶ DV-Cam with Firewire-Connection (also known as DV, i-Link or IEEE1394) or USB-Webcam
- ▶ Any microphone (internal computer microphones not recommended)
- ▶ Direct internet connection necessary. Bandwidth depends on number of cameras. Minimum upload bandwidth: 500 kbit/s per camera.
- ▶ Fixed line recommended, WLAN or 3G may be unstable.
- ▶ Firewall settings may block make.tv. Ports 80, 443 and 1935 (RTMP) must be open.

System Requirements Audience

- ▶ Works on any operating system with current Flash Player version (PC/Mac/Linux)
- ▶ Any browser with current Flash Player Version (9.0.115 or later)
- ▶ Minimum internet download bandwidth: depends on number of camera-streams, minimum 500 kbit/s per camera)

Input File Formats and Codecs

- ▶ All main video formats (MPEG-1/2/4, DV, FLV, H.264, MSMPEG4, RealVideo, Sorenson Video 1/3, Flash Video, WMV 7/8/9, 3GP, M4V, DAT, VOB, DIVX, AVI, MOV)
- ▶ All main image formats (JPG, PNG, GIF, BMP, TIFF, EPS, PIC, TGA)
- ▶ All main audio formats (MP3, WAV, WMV, AIF, MPA)

Realtime Effects

- ▶ Realtime effects can be applied to any video source or media object.
- ▶ Hue
- ▶ Contrast
- ▶ Saturation
- ▶ Brightness
- ▶ Alpha
- ▶ Multiple Color Key with following settings: Tolerance, Tune Edges, Feather and Smoothing

Video Sources

- ▶ Multiple DV-Cameras
- ▶ Multiple USB-Webcams
- ▶ Screencast with make.tv Screengrabber (free download, MS Windows only)
- ▶ Support for external software video encoder for user defined bitrates and high resolution (up to High Definition HD), i.e. Adobe Flash Media Live Encoder (free download)

Studio Software Features

- ▶ Text-Module (text inserts with variable font, size, color and transparency)
- ▶ Voting-Module (up to 4 answers, live voting during a show, graphical live results)
- ▶ Media Library with folders to upload and store any media for later use - storage limit depends on membership
- ▶ Show Control (broadcast live, record only, broadcast live and record, private show)
- ▶ Fully automated recording and encoding, archive online available shortly after broadcasting
- ▶ Unlimited customizable scenes and scene sets
- ▶ Voice chat as communication tool for crew members
- ▶ Public and private chat with list of viewers
- ▶ Viewers invitation feature - microphone or web cam of single viewers can be activated and streamed into the live show like any other stream
- ▶ Jingle- and music-Player with two parallel sound slots
- ▶ Global sound control of any input source
- ▶ Monitor feature to control any audio level
- ▶ Use multiple streams in one scene (i.e. interviews, Picture in Picture, etc.)
- ▶ Work together: produce your show with crew-members all over the world

Player

- ▶ On Screen Menu to access live shows, archives or trailers
- ▶ Sound control, play button and play head
- ▶ Rating feature for every show (1-5 stars)
- ▶ Subscribe feature - viewers can register by email to get updates on a production
- ▶ Live Chat and viewer list
- ▶ Individual settings (optional autostart, optional setting for initial state)
- ▶ Full screen option (High Quality: no scaling of images)
- ▶ Embedded version fully customizable - size and colors