



Suitable for all media business environments, the Media K Factory™ (MKF) simultaneously produces, adapts and delivers audio and video content. Beyond the compression and encoding functions made available through the integration of more than 400 formats and codecs, the Media K Factory™ embeds a large set of advanced video image processing for efficient and cost-effective content production.

## The unique industrial encoding and streaming solution for your Digital Media

### All in One solution

The Media K Factory™ is the only encoding engine that offers VOD, Live and VirtualLive™ functionalities complying with common media formats. It encompasses a whole range of re-publishing features such as dynamic text blending (scrolling), live mosaic, text and logo inlay, zooming and playlists. The MKF is today's most complete solution for providing compelling rich media services.

### Endless possibilities

The Media K Factory™ integrates common media formats and offers a wide range of input and output combinations. At the leading edge of multimedia technologies, the MKF is the first automated encoding engine able to process IP Streams (3GPP, Windows Media, MPEG2-TS), files and devices (Composite, SDI, USB).

### Create your own TV/Radio channel

More than a playlist, the VirtualLive™ allows our customers to create and to personalize their own TV or radio channels. Select content! Define schedule! Configure dynamic effects (logo blending, text scrolling)! Then, just play it!

### Instant Streaming

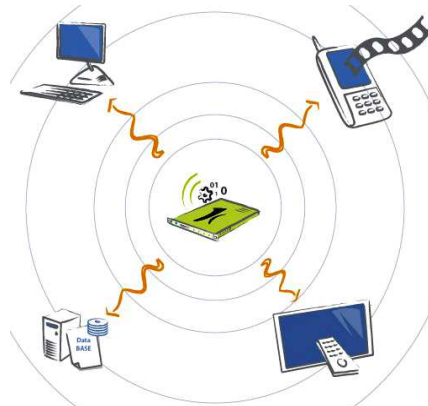
The new Media K Factory™'s streaming module is compliant with the 3GPP and ISMA standards and supports SDP and SAP. It encodes and streams simultaneously. This unique feature allows encoding your content on the fly when the stream is requested.

### Workflow – a simple Drag & Drop

Thanks to the Media K Factory™, it is no longer necessary to spend hours in front of your PC to adapt your content. Configure your watch folders, define your encoding profiles once and for all. Just drop a media or a profile and the MKF takes care of it for you!

### Reliability & Scalability

Embedded in the Media K Factory™, the cooperative mode is a unique and powerful means to manage the load between different servers. You can increase the capacity of the platform by simply adding a new MKF. In the same way, during the maintenance of one server, the load will automatically be managed by another MKF. This gives you an unrivalled service continuity along with high reliability.



### One solution for All

The Media K Factory™ supports push and pull modes. Thanks to this unique capability, the Media K Factory™ will become THE encoding solution for all your multimedia services with device-adapted content (CMS, MMS, promotion campaign, Internet broadcast, ...)

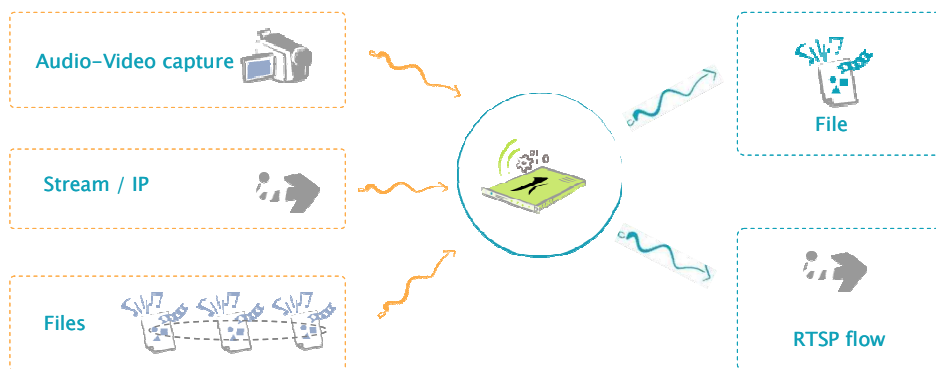
Any source

Any format

Any device

Any network

## INPUT & OUTPUT



INPUTS	
DEVICES	Analog composite PAL/NTSC (OSPREY Capture Cards, Winnov Capture Cards), S-Video, USB PC Cameras.
IP	Windows media stream, 3GPP stream, ISMA Stream, MJPEG/IP, MPEG2-TS/IP
FILES	FLV, AVI, MOV, WMV, MPEG1, MPEG4, MPEG2, WAV, MP3, JPEG, GIF, TIFF, PNG, PSD, WMA, 3GPP, DSP, DV, VC1, VOB

OUTPUTS	
IP	3GPP R5/R6, ISMA, Windows Media Stream
FILES	FLV, AVI, MOV, WMV, MPEG1, MPEG4, MPEG2-TS, WAV, MP3, JPEG, GIF, Animated GIF, TIFF, PNG, RM, WMA, 3GPP, RV, RA, VC1, H.264, AVC, PV, AAC+ (V1 & V2), AAC, i-mode™, Sony PSP™, Apple ipod™.

## CODECS

VIDEO	
CODECS	MPEG-4, H.263, H.264, Flash, Windows Media, Real Media, QuickTime, PacketVideo, VC1, AVC, MPEG1, MPEG2, ...
MODE	CBR, VBR
AUDIO	
CODECS	AMR-NB, AMR-WB, AAC, AACPlus, HE-AAC, MP3, MP3pro, WAV, Quicktime, Windows Media, Real Media
IMAGE	
	Windows Bitmap, JPEG, JPEG2000, GIF, animated GIF, TIFF, PNG

## FILTERS

Cropping, Resizing, Sound Normalization, Frame Rate Adaptation, Interlace, Deinterlace, Clip Information ...

## ADVANCED FEATURES

- Bit Stream Switching, Progressive Download
- Virtual Source (multiple encoding session from one source), Virtual Live™ (creates your live channels from any mix of supported inputs)
- Mosaic
- Playlist
- DRM OMA V1.0 & V2.0
- Dynamic Text Blending (horizontal and/or vertical scrolling effect) with management of opacity level
- Text and Image blending with or without alpha channel
- Zooming and slicing
- Automatic extract frame with detection of the best image, Video Freeze detection
- Source switching
- Append
- Swap
- Pip (picture in picture)
- Virtual Tape Recorder and many others...



Your Digital Media Enabler  
Right Here, Right Now

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