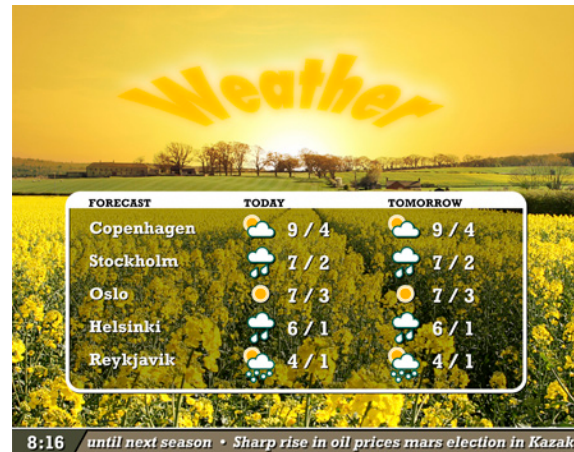


VECTORBOX Graphics

VECTORBOX and V-BOX News built-in graphics allow you to carry out wide range of dynamic channel branding while generating revenues without post-production costs.



Two examples of VECTORBOX generated graphics

VECTORBOX graphics templates are inserted via simple drag and drop over video events from disk, VTR, satellite and studio making graphics overlay both easy and frame-accurate. Dynamic text update of tickers and titling from XML or RSS feeds means that graphics will never play a more vital role in your daily programming.

Graphics possibilities

There are many possibilities for branding your channel including:

Logos Channel bugs and logos, both animated and static

Lower third and aston bands Any graphic file can be used to create graphics for advertising and sponsorships, news, weather graphics with icons etc.

Tickers Multiple tickers and crawls linked to stock exchanges, news feeds etc. fed via XML or RSS interface

Clocks Analogue and digital automatic clocks to give you programming extra realism

SMS Chat Include messages from any SMS server in .xml format

Animations Insert animations using Macromedia Flash and graphic file sequences

Automatic titling Automatic temperature and weather updates, quizzes, what's up next and other graphics. Link text strings to data in the playlist or XML or RSS feeds

Multi layers Create semi-transparent elements and texts and layer them over other graphics

On-air titling Titling and other graphics over live news, interviews and other events

Texts and alphabets Include all Microsoft Windows accepted fonts and alphabets in your titling

Squeeze-backs Combine squeeze-backs with CG templates for shopping and other channels. Telephone number, price and other data is dynamically inserted and combined with a crawl or roll

Creating graphics

Our Imagen system of CG templates allows you to create, edit and preview 32-bit CG graphics and crawl/ticker templates to give your channel clear branding. Imagen templates allow you to include any image file including .bmp, .gif, .tif, .tga, .png, .wmf, .emf, .jpg as well as animated file sequences and Macromedia Flash animations.

The channel graphic designer(s) works on a laptop or PC on the LAN and uses Adobe Photoshop and After Effects or any other graphics software to create graphics files for branding the channel. These are then simply inserted into Imagen's CG Template Editor and Crawl Editor and previewed. Graphics elements can be combined with text strings imported from a remote database and RSS and XML source.

Inserting graphics with VECTORBOX

It is easy to define graphics sequences and insert them over your programming. You can include multiple graphic elements on the screen at the same time and define in and out points as well as fades.

VECTORBOX graphics can be inserted into daily programming in four simple ways:

Inserting graphics into individual video events CG templates prepared using Imagen can be dragged and dropped directly from the VECTORBOX catalogue into individual disk, live or VTR events in the playlist. Each video event has a sublines internal graphics cartridge; once graphics are inserted here they can be scheduled to the required frame and fade duration can be set. Start time and duration can be set in relation to either the beginning or the end of the clip/event. This means you can programme a graphic to appear 10 seconds from the beginning of the clip with any duration and then again 20 seconds from the end. The advantage of this is that you do not need to

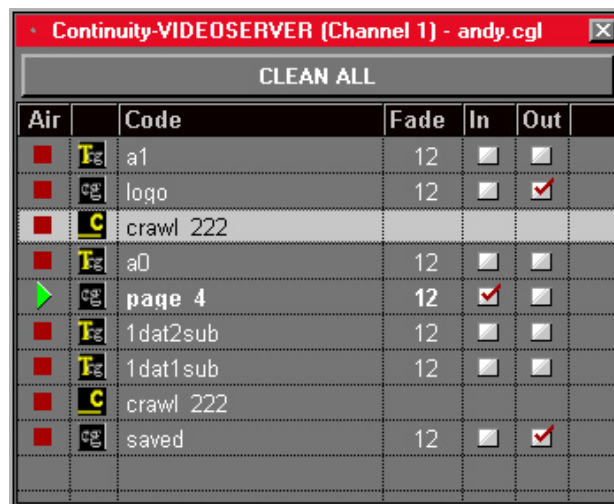


The sublines internal graphics cartridge

calculate the duration of the clip and the same graphics schedule can be used for clips of varying length. This feature is used to automate graphic insertion for music channels.

Into the playlist CG templates can be dragged and dropped directly into the playlist. A CG-in and CG-out line then appear together. It is simply a question of separating these two lines and positioning them to include all the clips events in which the graphic event must appear. This method is used for including a graphic event over whole, or part of the playlist and is ideal for scheduling channel logos and tickers to exclude graphics from publicity breaks.

Manual live on-air titling Manual on-air titling for sports, news, elections, chat shows and other live events is fast, precise and easy. For this application, we have created the CG Console. We drag and drop CG templates from the VECTORBOX catalogue into this graphics cartridge to prepare a live titling schedule. We then simply double click on any event in the CG Console to overlay the graphic over video from disk or other source. Once again, we can include both fade in and fade out for these graphics.



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Air		Code	Fade	In	Out
■	T _{reg}	a1	12	<input type="checkbox"/>	<input type="checkbox"/>
■	C _{reg}	logo	12	<input type="checkbox"/>	<input checked="" type="checkbox"/>
■	C	crawl 222			
■	T _{reg}	a0	12	<input type="checkbox"/>	<input type="checkbox"/>
▶	C _{reg}	page 4	12	<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	T _{reg}	1dat2sub	12	<input type="checkbox"/>	<input type="checkbox"/>
■	T _{reg}	1dat1sub	12	<input type="checkbox"/>	<input type="checkbox"/>
■	C	crawl 222			
■	C _{reg}	saved	12	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The CG Console for live graphics insertion

Inserting graphics like a still store We can insert a full screen graphic into the playlist and schedule this to appear in the programming as a still with a set duration. We simply choose our graphic from the catalogue and drag and drop this into the playlist while holding down the control button of the keyboard. The graphic then appears as an event in the playlist and we can double click to set the duration as well as fix the start time if required.

Saving graphics as sublines playlists

When we create a graphics playlist, we have the option of saving this as a sublines list (.sll) file ready for reloading. The .sll file then appears in the catalogue and is ready to be dragged and dropped into any event in the playlist or the CG Console for live titling. We also have the option of saving a sublines list as an integral part of an event template. In this case every time this disk, VTR or live event is dragged and dropped into the playlist, it will already include loaded graphics sublines list.

Creating dynamic text in a CG template

Text can be manually inserted into a CG template in two ways: as a fixed text value as part of the CG template or as a user input text. In this case, whenever we insert the template into the playlist or CG Console, a warning window appears, asking us to supply the missing text fields.

Text can also be inserted into tickers and titling automatically as text strings can be linked to any metadata in the media .bxx reference file. This metadata is normally input when the media is ingested.

In addition, when we create a text field in a CG template or ticker, we can simply link this to an .xml file or RSS feed. Every time this information is updated, the text is also updated on screen. Tickers have a buffer cartridge and we have the option of repeating the text loaded in this buffer or making the ticker disappear altogether when no new information is forthcoming.

Automatic post-production

Automatic post-production allows the broadcaster to enhance channel image and create a live feel at minimal cost. Here are a few examples currently in use:

Quizzes Import quiz questions and answers dynamically in an .xml file and insert them into CG templates.

'What's coming next' schedules VECTORBOX reads the titles of the loaded playlist and automatically creates a listing over a CG template.

Weather Weather symbols and temperature figures are automatically imported via .xml file and inserted over a special weather CG template.

V-BOX News graphics

V-BOX News includes the same built-in CG as VECTORBOX and functions in the same way with the sole exception that CG templates cannot be dragged and dropped directly into the rundown/playlist. V-BOX News 6000 allows the user to include graphics over events from disk and V-BOX News 6000+ includes an extra key and graphic output to allow you to include graphics over events from studio, live and OB van using the vision mixer.

If required, VECTORBOX and V-BOX News can also control logo inserters via serial or GPI control (optional). An external CG may be combined with the integrated VECTORBOX graphics if required.