

## DID YOU KNOW THAT...?

**.Thanks to the seamless integration between AEQ Consoles and VisualRplus, you can have full automation for Visual Radio or TV broadcast. Additionally, you can manually trigger for example Clips or change the camera shot through the programmable keys of Capitol, Forum and Atrium consoles.**

VisualRPlus allows you to take real-time images from the radio studio and combine them with other videos and generate a video program parallel to the radio audio.



Visual Radio system consists in a group of cameras and a powerful video switcher. It allows you to further capitalize on your investment and reaching an alternative and viewing audience to your regular Radio Programming and through an additional broadcast channel.

The seamless integration with for example, AEQ's consoles and AoIP Network interfaces, provides with full automation of the camera controls through the powerful Video switcher.

Via IP the consoles will provide the Video Switcher with information about what microphones are open and at what level. If no AEQ Mixer is available in the setup, an **AEQ AoIP Interface** such as the **Netbox 8V or 32V** can be used to provide the necessary information regarding open microphone and levels to the video switcher.

Additionally, instructions to the video production system can be provided from the programmable keys of the **Atrium, Forum and Capitol IP Mixing Consoles** and via control objects in the AEQ AudioPlus radio automation system. That way, the video production system's control is integrated in the mixing console and automation system, so the control technician can send instructions to the system without the need for any additional device.

AEQ VisualRplus Visual Radio system is based on a video switcher/processor, that manages the signals, switches between and mixes them, providing an additional program to be broadcasted in both in high quality IP and in compressed IP format adequate for streaming.

It can also record its own produced signal. It has IP and HDMI video inputs and outputs, and optionally, SDI and analogue.



The cameras are connected to the IP inputs. We recommend and offer HD IP NDI cameras in PTZ format. The camera pan, tilt and zoom functions are automated, following the defined programming for input priorities, levels, attack and release times of the microphone signals and transitions. This allows for the production personnel to focus on the different guests and speakers in the studio.

Here comes into play AEQ's consoles or IP Interfaces themselves. Upon receiving the audio signals from the different microphones or other sources, this equipment will provide the information of the active ones to the video switcher that will then produce the program signal as per the previously mentioned defined programming.

Apart from this information, AEQ's mixing consoles and automation systems, can send different instructions using their programmable function keys: launch clips, insert logos, introduce messages with the character generator, override macros, switch camera or even directly changing the complete programming created for a specific radio programme giving way to a different one with a modified programming. This becomes key when integrating operation of a visual radio system into the radio's traditional technical workflow.



When the audio-visual media has radio and TV channels, there are times where the video signal produced in the radio studio turns into very valuable content for TV itself. In such cases, a more sophisticated production of the signal may be required.

AEQ's system can also be operated by a traditional video producer, obtaining a more creative and bespoke result that allows sharing the signal generated for its Visual Radio broadcasting with the TV channel. It allows for the connection of external video switcher control panels with physical keys and T controllers to switch the on-air signal.



To facilitate automatic unattended production, VisualRplus allows for the creation and triggering of programming macros of many types: automation of camera movement between points of interest, loading and transitioning between broadcast templates, triggering of images and videos, loading of still and moving text from social networks, weather systems, and other data sources, such as scoring.

A video playout module option enables the system to turn the system into a streaming video or television playout headend without operation.

Together they form a full automation video production and playout system, coordinated with the radio broadcast, without the need for a producer or burdening the control technician with extra tasks, who can optionally perform the functions of video playout headend.

All of this with a simple and cost-effective implementation, using pre-programmed templates and macros, and an on-demand service system. The engineering, configuration and programming and training of **AEQ's VisualRplus** systems can be customized on-line or, with sufficient definition data, delivered as a turnkey project.

For further information

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