Reach virtual studio system (yNews Plus)

Overview

yNews Plus campus TV station adopts virtual keying technology and is equipped with various types of rich virtual scenes, which can realize a variety of creative video production. Its features such as rapid deployment, ease of use, and high-definition image quality can meet the application of various famous teacher lectures, online high-quality courses, news broadcasts, and virtual micro-classes in schools.

Features

◎ **Quick build, Flexible deployment**

The scheme is simple to deploy and has strong adaptability to the environment. It can be put into use without complex decoration, and can meet the requirements of rapid construction and use.

◎ **Variety of scenes, Own collocation**

The system supports independent DIY to add pictures, 3D images, videos, PPT and other scenes. Students and teachers can use their imaginations to make creative videos.

◎ **High-definition picture, Immersive experience**

Finely matted composite images, seamless integration of characters and background images, high-definition image quality, and surreal sensory experience.

◎ **Live broadcast and VOD, Break through time and space**

After working with the Video Management Platform, the campus TV station can start the live broadcast with one-key, and share wonderful programs or wonderful courses in real time, allowing creativity to break through the limitations of time and space.

◎ **Remote interaction, Real-time communication**

Easily interconnect with remote classrooms and conference rooms, realize real-time delivery of leaders' speeches and teachers' lectures, and exchange virtual courses at any time.

Technical Indicators

1. Input signal: no less than 1 channel HD/SD SDI, 4 channels IP/USB/NDI, the first channel has Chroma key function; 2 channels DDR local video or 4G return signal; Embedded audio or analog audio input.

2. Output signal: no less than 1 IP output, 1 NDI output, 1 HDMI output; Embedded audio output.

3. Support camera signal, IVGA, network HTTP/UDP/RTSP/RTMP/NDI, mobile phone signal, local video, IP DSK and other signal source input.

4. You can set the audio output mode, specify that the audio source is always output, output when switching to PGM, and always not output.

5. Integrate a variety of 3D scene templates including (18 categories such as news, education, sports, current affairs, variety shows, etc.) and graphic subtitle templates.

6. It can perform keying processing on camera signals, network signals and NDI signals at the same time.

7. Support the access of 3 channels network streaming media signals, and can schedule and play at the same time. Support RTMP/RTSP/UDP/HTTP/NDI and other streaming media signal input.

8. The system receives IP (UDP, RTMP, RTSP, HTTP) streaming media signals through the network port, and can resolve multi-channel multicast addresses in real time.

9. The system provides the function of modification when the subtitles are on the screen, which meets the application occasions such as the scoreboard of the game.

10. Support embedded audio input and output, analog audio input and output.

11. The four-channel input signal source of the system can freely choose baseband signal, HDMI signal, NDI signal, IP signal, USB signal, and can also input in various ways at the same time.

12. It supports the input of PAL, NTSC, 720/25P, 720/29.97P, 1080/50i, 1080/59.94i, 1080/25P and 1080/29.97P video signals, and it can be keyed and played in the scene.

13. Built-in non-linear fast editing software of the same brand, which can cooperate to complete program editing, synthesis, superimposition of subtitles, file packaging and streaming media push.

14. It can generate virtual scenes in real time, support 3D scene models generated by 3DS Max, Maya and other 3D software, support and transparent scene models, and output them in 1920×1080/50/I format.

15. Supports virtual 3D scene editing and real-time rendering functions, and can instantly modify 3D scenes created by 3DS Max, Maya and other 3D software.

16. Color correction of foreground characters including brightness, contrast, saturation, color offset and hue enhancement.

17. A dynamic oscilloscope is provided to display video picture information, including amplitude and phase.
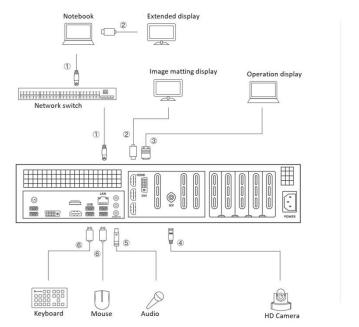
18. Supports one-key quick keying. With one-key keying, translucent objects such as water bottles and hair strands can be separated from the background.

19. Chroma key parameters can be set independently, saved and recalled independently.

20. Support live streaming with RTMP protocol.

Connection