P20-DS

TECHNICAL DETAILS

Input connectors	8 x DP 1.2/HDMI 2.0, 4 x 12G-SDI inputs
Output connectors	8 x HDMI 2.0 outputs, 4 x 12G-SDI outputs

PRODUCT DESCRIPTION

P20-DS is the latest addition to the P family and expands the range of new, sophisticated and powerful presentation switchers produced by Pixelhue. Based on a high-performance FPGA hardware architecture, it is capable of processing 4K 60p 4:4:4 10-bit video with high-performance image de-interlacing. It comes with a wide variety of 4K connectors to interface with all the latest video devices. Inputs include HDMI 2.0, DP1.2, 12G-SDI and 8 x 10G fiber optic ports. The latter "copy" the HDMI 2.0 outputs to allow the switchers themselves to transmit signals to LED display controllers over a distance of up to 10 km without fiber converters, with obvious savings in costs.

The available inputs are 8 x DP 1.2 / HDMI 2.0 + 4 x 12G-SDI, while the outputs are 8 x HDMI 2.0. In addition to these, there are 4 x AUX HDMI 1.3 outputs that can be connected to auxiliary devices such as teleprompters and a dedicated Multiviewer output provided for live monitoring of all inputs and outputs from a display.

Compared to the P20, the P20-DS offers 4 more 12G-SDI outputs and 2 dual redundant Gigabit Ethernet ports for Dante (compliant with the AES 67 standard), but does not have the 4 x 12G-SDI loop connectors on the inputs.

The Pixelhue P20-DS can operate in both switcher and PGM modes depending on the type of application. In the first case, you have two 4K x 2K @ 60 Hz outputs. In PGM mode, on the other hand, 8K x 4K, always at 60 Hz. Thanks to this dual working mode, true 4K inputs / outputs without color sub-sampling, high-quality video processing with smooth transitions and displays, flawless image mosaic, various transition effects, this P-series presentation switcher is the perfect solution for medium-sized live events and many fixed installations that require high reliability, ease of use, the best possible image quality and cutting-edge 4K live processing capabilities.

In terms of layers, P20-DS supports 12 DL (2 x MAIN + 10 x PIP) or 8 DL (4 x MAIN + 4 x PIP) with the possibility for users to freely organize their layout. In addition, up to 128 presets are available to meet different needs. High-resolution images can be captured from live inputs and outputs and used as background. In addition, the P20-DS is equipped with advanced DSK features including luma key and chroma key and supports SDR, HDR10 and HLG with conversion between these formats.

The control options are very flexible, making it an extremely versatile device but also simple to use. These options include backlit buttons on the front panel and a 5" graphic LCD display for direct access to functions, or alternatively the use of the U5 live console, the use of an intuitive Web GUI interface and stream deck. Various backup methods are also supported, including input source backup, output source backup and device backup to safeguard events. The switch from the primary device to the backup device is instantaneous.

Finally, we highlight the excellent build quality and electronic components that characterize P20-DS, making it extremely reliable in the most demanding conditions of use. The manufacturer has carried out a series of rigorous drop, shock / vibration and thermal tests in order to guarantee perfect functionality even in extreme conditions of use, such as in the touring and rental sectors. 24 hours a day, 7 days a week.

Product link:

https://rentalhouse.sqm.eu/gb/strona-glowna/2614-p20-ds.html