Press Release

For Immediate Release

ROLAND INTRODUCES VC-100UHD 4K VIDEO SCALER WITH ULTRA SCALER TECHNOLOGY

Compact and Powerful A/V Signal Management Tool for 4K LED Walls, Live Events, Esports, and USB Livestreaming

Los Angeles, CA, June 16, 2020 — Roland, a leading manufacturer of professional audio, video and electronic musical instrument gear, today announces the debut of the [VC-100UHD 4K Video Scaler](#), a next-generation A/V signal management solution for live events, fixed installations, and streaming applications. Equipped with Roland's acclaimed Ultra Scaler processing technology, the VC-100UHD allows users to input 4K and 1080p video sources and distribute them to multiple destinations at one time, including 4K LED walls, HD displays, and USB 3.0 livestreams. High frame rates up to 240 Hz are also supported, delivering smooth motion for esports, animated displays, and more.

Built on a reliable hardware platform for mission-critical applications, the powerhouse VC-100UHD combines multiple single-task technologies in a compact and flexible half-rack design. Backed by a lightning-fast processing engine, the VC-100UHD's Ultra Scaler provides premium quality conversion for perfectly synchronized big-screen IMAG and precise dot-by-dot scaling for LED wall displays.

With an ultra-high-definition source signal connected to the 12G-SDI or HDMI 2.0 video inputs, the VC-100UHD will automatically process and convert it to different resolutions, ready for distribution at 12G-SDI, HDMI, and USB 3.0 rear-panel outputs. Thanks to Ultra Scaler technology, system designers can simultaneously deliver 1080p video at rates up to 240 Hz for a gaming monitor, 59.94/50 Hz for an HD video system and LED displays, and 59.94/50 Hz for an HD livestream broadcast.

The VC-100UHD also includes built-in visual effects, allowing users to rotate, flip, trim, and mirror images on each output. And with Frame Synchronizer and Genlock features, video images can be re-clocked and stabilized as needed.

Via a plug-and-play USB 3.0 webcam output, VC-100UHD users can reach a worldwide audience and broadcast uncompressed 1080p video at 59.94/50 Hz on popular streaming platforms. Roland also offers free VR Capture software, which records HD livestreams in ProRes 422 (Mac) or MP4 (Windows) formats for later editing and distribution.

Along with video, the VC-100UHD can process embedded digital audio from its 12G-SDI and HDMI 2.0 inputs. Analog I/O is provided as well, with balanced audio on a 25-pin D-sub connector for installations and line-level stereo audio on RCA jacks for prosumer video gear. The advanced audio patching system lets users route and embed/de-embed up to 16 input channels and output up to 8 channels. An adjustable delay is also provided on each output to correct lip sync issues.

The VC-100UHD works as a portable processor for grab-and-go productions, or can be installed in a rack for use in larger systems and fixed installations. The unit's rich integration capabilities include custom EDID on HDMI, 24 video test patterns, an audio test tone generator, system backup via USB memory, and remote control support over LAN.

To learn more about the VC-100UHD 4K Video Scaler, visit https://proav.roland.com/global/.

For the full press kit, including hi-res images, click here.

About Roland Professional A/V
Roland's professional A/V division, dedicated to providing solutions in support of video and audio professionals, demands excellence in both performance and functionality. Through the development and support of video and audio products, Roland Pro A/V endeavors to improve workflow and maximize creative possibilities in a variety of markets including live event production, live streaming, education, corporate meetings, worship, videography and gaming. For more information, please visit proav.roland.com/global/.

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