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Hitachi Kokusai Electric Europe GmbH

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Hitachi Kokusai unveils SK-HD1800 Studio and EFP Camera with Advanced CMOS Technology and Remotely-Controlled Filter Wheel

New, cost-effective 1080p HDR camera delivers superior quality and combines with versatile CCU support to key industry transitions

Neu-Isenburg, Germany, September 2nd, 2019 - Hitachi Kokusai Electric Europe GmbH (HKEU) today announced the SK-HD1800 HDTV studio and field production camera, the latest model in its highly-acclaimed broadcast camera line. Combining the advanced CMOS imaging technology camera with a motorised, four-position filter wheel for remote operation, the new SK-HD1800 delivers spectacular image quality for mobile and event-based productions even in venues with challenging LED lighting and displays.

The new camera is immediately available and will make its exhibition debut at the IBC in Amsterdam from Sep 13 to 17 in the Hitachi Kokusai booth (Hall 10 – Stand No. C49).

The SK-HD1800's global shutter, progressive-scan, CMOS sensors adapt easily to a wide range of LED lighting conditions, enabling flawless, high-performance video capture in TV studios, houses of worship, sporting arenas, concert venues and other facilities where LED lights or large LED displays are used. The advanced 1080p sensors combine with Hitachi Kokusai's renowned digital signal processing and low-noise circuit technology to deliver pristine visual quality with superior sensitivity, excellent colour fidelity and a remarkable 62dB signal-to-noise ratio.

The new SK-HD1800 offers customers the best of both worlds and combines with the CU-HD1300 family of camera control units (CCUs) flexible support for evolving industry trends including High Dynamic Range (HDR), 4K and IP-based workflows.

Hitachi Kokusai has been at the forefront of implementing, promoting and educating professionals about HDR acquisition, and the SK-HD1800 continues this leadership. The new camera supports HDR specifications including HLG (Hybrid Log-Gamma) and HPQ, which is compatible with the HDR10 open standard for consumer TVs.

Pairing the SK-HD1800 with a CCU from Hitachi Kokusai's CU-HD1300 series forms an exceptionally flexible camera system supporting a wide range of production infrastructures and output requirements. The new camera supports both SMPTE fiber and digital triax connectivity and can be combined with a dedicated fiber or triax CCU or with the dual-cable CU-HD1300FT for maximum deployment flexibility.

Efficiently bridging HDTV and Ultra HD production workflows, an optional 4K output module for the CU-HD1300 transforms natively-acquired 1080p video from the SK-HD1800 to 4K/UHD resolution and outputs the result over single-link 12Gbps SDI or quad-link 3G-SDI connectivity. Meanwhile, a SMPTE ST 2110 option for the CU-HD1300 enables seamless integration of the SK-HD1800 camera system into next-generation IP-based production workflows, supporting broadcasters' transition from traditional baseband video infrastructures to more flexible media networks.

Both the 4K output and SMPTE ST 2110 transport options fully support the HDR capabilities of the SK-HD1800. Further enhancing HDR production, a firmware option for the CU-HD1300 enables users to acquire optimized HDR and standard dynamic range (SDR) video simultaneously with a single camera by providing separate video shading adjustments for HDR and SDR outputs. This provides both creative and financial benefits compared to using separate cameras, enabling shot consistency while lowering equipment and operational costs.

About Hitachi Kokusai Electric Inc.
Hitachi Kokusai Electric Inc., headquartered in Tokyo, Japan, is a company that manufactures broadcasting systems, security and surveillance systems, wireless communications and information systems. Fiscal 2017 (ended March 31, 2018) sales totaled 171,791 million Yen. For more information on Hitachi Kokusai Electric Inc., please visit the company's website at http://www.hitachi-kokusai.co.jp/global/en/index.html.

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