



Cambridge Electronic Industries Ltd.

Cambridge Electronic Industries introduces 12G-SDI connectors and cable assemblies for Belden 4794R 4K cable

New connectors and assemblies enable 12G-SDI transmission rates over greatly increased distances

Cambridge Electronic Industries Ltd, specialist designer and manufacturer of vision coaxial connectors and cable assemblies, is introducing a series of new 12G-SDI BNC connectors under the CoaxVision brand, which maximise the speed and performance of Belden's 4794R 4K co-axial cable for applications in Digital Cinema and Ultra High Definition TV.



These new connectors are engineered to enable the data rates needed for high resolution, uncompressed digital video signals and high frame rates, and support the High Definition standards SMPTE 2082-1, 12G-SDI 4K, D-Cinema, UHDTV1 and UHDTV2.

12G-SDI carries four times the payload of 3G in one single channel, so 4794R 4K cable saves considerable weight and space compared to existing RG-6 solutions – it is 30-50% lighter than dual link RG-6 and 70-80% lighter than quad link RG-6 solutions.

Stephen Smith, Managing Director of Cambridge Electronic Industries explains,

“Our connectors are built to match the data throughput and reliability of Belden 4794R cable, and together with the cables they provide a single channel that will achieve the very high frame rates required for Ultra High Definition and 4K video productions, over greater distances.”

Cambridge Electronic Industries has also developed 12G-SDI connectors and assemblies for Belden 4855R and Belden 4694R HDTV video cables, and Igus CF Koax1 flexible cables.

The company is an established supplier to the broadcast sector globally, and its connector division, Cambridge Connectors, supplies the world's major manufacturers of professional broadcast equipment. This means that in a typical broadcast production, more often than not Cambridge Connectors are present in the broadcast production chain.

Cambridge Electronic Industries is accredited to ISO9001 2015 and can generally supply connectors from stock. There is an express service on cable assemblies, which can be customised as required.

About Cambridge Electronic Industries

The company was founded in 1983 and supplies high data rate connectors and cable assemblies to OEMs, manufacturers, systems builders, installers and resellers for use in professional broadcast, machine vision and digital imaging.

Cambridge Electronic Industries is well-known in the Cambridge technology community and employs some of the world's most skilled designers of precision connectors. The company can provide a high degree of customisation and likes to work with its customers' engineers to create exactly the products they require.

The connectors are marketed under the division name **Cambridge Connectors** and the **CoaxVision** brand, and the products are distributed globally through partners in the USA, Europe and Asia-Pacific.

All of the company's products are RoHS compliant and use conflict-free materials. Importantly, the company is accredited to the ISO9001 2015 standard.

For more details, please see www.cambridgeconnectors.com.

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