

Release of the Broadmedia[®] CDN Stork High-Speed Large File Delivery System for Production/Post-Production Companies and Broadcasters

Broadmedia Corporation (head office: Minato-ku, Tokyo, CEO: Taro Hashimoto) and Broadmedia Studios Corporation announced that in October 2018 they released their Broadmedia[®] CDN Stork service, which is capable of delivering large video, audio, 4K, and 8K files at high speed, for production companies, post-production companies, broadcasters, and other related businesses.

The first user of this service is Nippon Television Network Corporation's Film Business, Business Development Division. The company has been using this service when sending and receiving videos, poster data, and other large files inside and outside Japan.

Using the service, files can be sent or received anywhere inside or outside Japan, as long as an Internet connection is available. Moreover, there is no limit on the volume or format of the files which can be delivered at one time, and multiple files can be sent or received in a single folder.

Through the experience and technologies it has developed in the film industry business, Broadmedia will continue to enhance the convenience of its services, not only using existing data delivery systems among dedicated servers, but also using systems capable of sending or receiving files from a server to a personal computer or from a personal computer to a server as well as from outside the office.

Features of the “Broadmedia[®] CDN Stork”

- **No limit on the files which can be sent or received**

There is no limit on the type, size, and number of the files which can be sent or received.

Users can directly send or receive folders that contain documents, images, video data, and files in any format as they are.

- **High security**

High security within IP networks is achieved through end-to-end encryption using AES256^{*1}.

In addition, users can be limited to the registered users.

By separating the server sending or receiving the files from the portal site used as the operation screen, the sender or receiver locations cannot be identified.

- **Easy to implement**

There is no need to invest in new lines, large dedicated systems, or other equipment.

The service can be used once this high-speed delivery system is added to the user's existing infrastructure.

Broadmedia Corporation has been a member of the U.K.-based DPP^{*2} since last year and supports the adoption of the Interoperable Master Format (IMF) in Japan. The IMF is expected to be accepted as a file standard for transmission and storage by European and U.S. broadcasters and rights holders in the future and this file delivery system also complies with IMF standards.

IMF standards allow the stress caused during file distribution transmission to be reduced, and also enable multiple file versions to be minimized and stored while retaining the original high quality. The IMF is also expected to be an effective format in Japan when handling 2K, 4K, and 8K content, storing content with multiple languages, and managing information added to content (such as audio description and subtitles for the hearing-impaired), and for other content operations, and is also useful for the reduction of storage costs.

The Broadmedia Group continues to exchange and share the latest information on file formats for broadcast or online use with European and U.S. organizations and promotes the recognition and widespread adoption of the IMF.

*1 AES256

Advanced Encryption Standard (AES) is an encryption specification. Among three different employed encryption keys with 128, 192, and 256 bits, AES256 is the most secure 256-bit encryption specification.

The AES encryption specification has been used as a U.S. standard by the U.S. National Institute of Standards and Technology (NIST).

*2 DPP

Digital Production Partnership Ltd (DPP) is a not-for-profit organization, founded by the BBC, ITV, and Channel 4 in the U.K. Its membership extends worldwide and represents the whole media supply chain, such as production companies, digital agencies, manufacturers, suppliers, service providers, post-production facilities, consultancies, broadcasters, distributors, and broadcasting bodies.

For details, see the following URL.

HP: <https://www.digitalproductionpartnership.co.uk/>

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