

HBO MPEG-4 HD Technical Information

Overview: HBO has made all 26 feeds of HBO and Cinemax available in MPEG-4 HD.

Technical summary: MPEG-4 Encoding Solution

- a. HBO has selected Motorola as our provider of an integrated transmission solution to provide the MPEG-4 AVC system to encode, encrypt, multiplex, modulate as well as to receive and decrypt the HDTV feeds.
- b. HBO has launched all 26 of our feeds in MPEG-4 HD. The feeds are located on three transponders across Galaxy 14 @ 125 W.L. and Galaxy 15 @ 133 W.L. The transmission parameters/IRD settings and program VCT and channel information for the MPEG-4 HD feeds are detailed on charts which are currently available on the HBO B2B site. These documents are available to all affiliates on the HBO B2B site, www.homeboxoffice.com, via the "Technology Operations" link.
- c. HBO affiliates that require an MPEG-2 program stream for their set-top boxes will be able to deliver an MPEG-2 version of an MPEG-4 HD feed by using the new single-decrypt transcoding Integrated Receiver Decoder (IRD), the Motorola DSR-6050. This new transcoding IRD supplies an MPEG-2 ASI or GbitE output at approximately 15 Mbps. The DSR-6050 can also supply an MPEG-4 output of the decrypted program stream at approximately 7 to 9 Mbps per program stream.
- d. HBO affiliates that require an MPEG-4 signal format for their set-top boxes can use the new Motorola DSR-4410MD multi-decrypt MPEG-4-compatible IRD, which offers both ASI and GbitE outputs.
- e. For details regarding the purchase of these new decoder models, please contact Motorola. Both products are currently available as follows:

DSR-4410MD - Multi-decrypt, MPEG-4 output only

DSR-6050 - Single-decrypt, MPEG-2 output (also includes MPEG-4 TS output)

These decoders can also be purchased from an authorized Motorola distributor including the following:

Advanced Media Technologies (AMT): <http://www.amt.com>, 888-293-5856 or 954-427-5711, sales@amt.com

Satellite Engineering Group (SEG): <http://www.sateng.com>, 800-932-1555 or 913-324-6000, sales@sateng.com

HBO/MAX MPEG-2 digital feeds will continue to be available:

The MPEG-4 HD feeds are incremental to HBO's MPEG-2 offering. HBO currently plans to continue to provide the MPEG-2 HD feeds of HBO (East and West) and Cinemax (East and West), and we also plan to continue to provide all 26 SD feeds in MPEG-2.

If you have any questions or need any additional information please feel free to contact the HBO Hotline at 212-512-5666, 8:00a.m. – 10:00p.m. Monday through Friday, or e-mail us at hotline@hbo.com.

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