

Embedding Data in Video Stream using Steganography

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ABSTRACT

The transmission of streaming data, because of its real-time nature, is subject to bandwidth constraints. We propose a MPEG-2 compliant decoder which uses data hiding to transmit additional data with no extra bandwidth while creating an almost imperceptible degradation of the picture. The additional data can be anything from subtitles to correction signals and watermarking.

INDEX TERMS

- **INSPEC**

- **Controlled Indexing**

- cryptography , data communication , data encapsulation , video coding , video communication , video streaming , watermarking

- **Non Controlled Indexing**

- MPEG-2 compliant decoder , bandwidth constraints , correction signals , data hiding , embedding data , steganography , streaming data transmission , video stream , watermarking