



TECHNOLOGY

Video Precis

OVERVIEW

Background

In video surveillance and web-based browsing, enormous amounts of data are received and stored. Processing this data for its information content relevant to a particular application can become quite cumbersome to the point that the data is rendered mostly useless.

Innovative Technology

University of Maryland researchers have developed new software to create an optimized video summary of footage based on the important criteria of covering many portions of the video and ensuring that these portions are as distinct as possible. The novel approach, "Video Précis," creates a video summary that identifies key aspects of footage over a wide range of scenarios within a user specified summary length. The summary provides a quick glimpse of the contents of a video and significantly improves a user's browsing experience and bandwidth savings for video-hosting websites.

Applications

- Video surveillance
- Web-based video browsing
- Videoarchiving

Advantages

- User-specified summary length
- Many different video scenarios are efficiently summarized

CONTACT INFO

UM Ventures
0134 Lee Building
7809 Regents Drive
College Park, MD 20742
Email: umdtechtransfer@umd.edu
Phone: (301) 405-3947 | Fax: (301) 314-9502

Additional Information

INSTITUTION

University of Maryland, College Park

PATENT STATUS

Patent(s) pending

LICENSE STATUS

Contact OTC for licensing information

CATEGORIES

- Education/Training/Multimedia
- Information Technology

EXTERNAL RESOURCES

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