

# Digital Tele-Viewer

Tech ID: 20029 / UC Case 2002-141-0

## TECHNOLOGY DESCRIPTION

UC San Diego researchers have invented powerful software for generating multiple-user, pan-tilt-zoom views from a single commercially available video camera. This invention has advantages over the current art by allowing multiple customized view generation from a single video stream with varying security levels. This method allows for dynamic exploration of remote sites using standard computing platforms. Additional applications of face recognition, infra-red viewing, and general image processing are possible.

## APPLICATIONS

- ▶ Visual Surveillance
- ▶ Traffic Monitoring
- ▶ Threat Prevention
- ▶ Home Security
- ▶ Video Conferencing

## RELATED MATERIALS

- ▶ This technology was featured in the December 2003/January 2004 issue of *Technology Review* (see [www.technologyreview.com](http://www.technologyreview.com), page 14 of the print issue).
- ▶ Download a PowerPoint presentation on the [Digital Tele-Viewer](#).

## INTELLECTUAL PROPERTY INFO

See [patent application](#). Both the invention and particular implementations and applications in software are available for licensing.

## PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	<a href="#">8,599,266</a>	12/03/2013	2002-141

## CONTACT

University of California, San Diego  
Office of Innovation and Commercialization  
[innovation@ucsd.edu](mailto:innovation@ucsd.edu)  
tel: 858.534.5815.



## OTHER INFORMATION

### KEYWORDS

security, transportation, virtual reality,  
defense

### CATEGORIZED AS

- ▶ **Computer**
- ▶ Other
- ▶ Software

### RELATED CASES

2002-141-0, 2002-832-1, 2002-835-1