

Video Compression for the Web, CD and DVD – Course Profile

AIMS OF THE COURSE

- ▶ To raise awareness of typical applications for video compressed for delivery over the web or for CD/DVD.
- ▶ To introduce and explain the technology and techniques involved in compressing and encoding video content.
- ▶ To provide a firm basis for further training.

PRE-REQUISITES

- ▶ There are no specific pre-requisites for this course.
- ▶ However, familiarity with Windows PC and a general appreciation of video filming and editing is assumed.

TEACHING STYLE

Delivered on a small group basis (maximum two students per course). Tutor-led discussions, demonstrations and some limited hands-on experience of typical compression software.

Delivery of the course can be delivered on a one-to-one basis to meet your own specific needs.

SUPPORT AFTER THE COURSE

We hope that our comprehensive course manual will provide you with first class support after the course.

However, should you have a problem with any of the course content, you have personal tutor support for up to three months following the course.

We pride ourselves on our friendly and efficient support and, indeed, we rely upon that to encourage students to return for further training.

WHAT YOU WILL LEARN

- ▶ Typical Applications
- ▶ Realistic expectations of video and sound quality
- ▶ File size, data rate and bandwidth
- ▶ CD bandwidth
- ▶ Exercise – file size, data rate and bandwidth
- ▶ Compression – spatial and temporal
- ▶ Filming and editing with compression in mind
- ▶ CODECS, architectures and file formats
- ▶ MPEG for CD and DVD
- ▶ VCD and SVCD requirements
- ▶ QuickTime for CD and the web
- ▶ Windows media for the web
- ▶ RealG2 video for the web
- ▶ Streaming and progressive download
- ▶ Servers – HTTP and streaming
- ▶ Introducing Panasonic MPEG1 encoder
- ▶ Creating an MPEG1 file using Panasonic MPEG1 encoder
- ▶ Creating MPEG1 files using TMPG encoder
- ▶ Introducing Discreet's *Cleaner 5*
- ▶ Compressing movies for CD/DVD with Adobe Premiere
- ▶ Compressing a movie with Cleaner 5 for CD
- ▶ Creating audio/video content for the web
- ▶ Uploading a movie to an HTTP server
- ▶ Processing options
- ▶ Optimising image quality