

## Moving Pictures: From DVD's To Videophones

By Dr Iain Richardson



DVDs, digital TV, Internet video streams and 3G mobile videophones all use digital video to add a new dimension to communication and entertainment.

Iain Richardson explains the sophisticated technology that makes digital video systems possible.

Find out why it's possible to throw away most of the information in a video image while fooling the brain into "seeing" a high-quality DVD movie and learn about research into new applications of digital video technology like videophones for deaf people.

Dr Iain Richardson is a lecturer in Digital Communications at The Robert Gordon University, he has been leader of the Image Communication Technology Research Group since 2000 and has been Director of his own software/hardware design company since 1995.

### Curriculum Links

- **Standard Grade Physics: Telecommunications; Electronics**
- **Standard Grade Technological Studies: Applied Electronics; Programmable Control**
- **Higher Physics: Electricity and Electronics**
- **Higher Computing: Multimedia Technology**

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