

Dirac : The video compression family using open technology

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Dirac: Activity

- Project Aim
 - Advanced Video Compression System
 - Open Technology
- Features
 - Flexibility and low complexity
 - Dirac reference implementation
 - Schroedinger project – optimised implementation
 - DiracPro/VC-2 optimised for professional production and archiving applications
 - Hardware – Dirac Pro 1.5 and Dirac Pro 270

Dirac: Challenges

- Dirac Specification completion
- Documentation
- Useable software implementation
- Integrating with existing multi-media application
- Adoption

Dirac: Dependencies

- Dirac Reference Software
 - None
- Schrödinger
 - liboil
- Projects we depend on for adoption
 - Players (vlc, mplayer, etc)
 - Multimedia libraries (ffmpeg, transcode)
 - Multimedia framework libraries (gstreamer)

Dirac: Next Steps

- Release full Dirac Specification
- Standardisation
 - Complete Standardisation of VC-2 through SMPTE
 - Submission of Dirac at ITU(???)
- Software
 - Release full spec compliant, useable software
 - Dirac support in FFMpeg
 - DirectShow Filter
- Documentation
- Further Hardware Development
- Further Algorithm Development