

Results and Recommendations

HDTV Format Comparison

AFTER COMPRESSION

Picture quality is content dependent. The overall results indicate that for the same bitrate:

720p/50 is better than 1080i/25
1080p/50 is better than 1080i/25
1080p/50 can be better than 720p/50

CONCLUSIONS

720p/50 ← currently the best HDTV emission format
1080p/50 ← potential next generation emission format
1080p/50 ← desirable next generation HDTV production format

EBU Publications

All available from: www.ebu.ch/en/technical/

PRODUCTION

EBU Tech 3299-2004

High Definition (HD) image formats for television production

EBU Tech 3298-2004

An EBU 'route map' to High Definition

EBU Tech 3315-2006

Archiving: experiences with telecine transfer of film to digital formats

EBU D97rev-2005

The need for format-agile television production equipment

EMISSION

EBU I34-2002

The potential impact of flat panel displays on broadcast delivery of television

EBU I35-2003

Further considerations on the impact of flat panel displays on the broadcasting chain

EBU I39-2004

Maximising the quality of conventional quality broadcasting in the flat panel environment

EBU I37-2006

EBU guidelines for the RRC-06

EBU Tech 3312-2006

Digital terrestrial HDTV broadcasting in Europe

EBU R112-2004

Statement on HDTV Standards (preference for progressive scanning)

EBU TEST MATERIAL

A Library of HDTV test sequences from EBU Members for EBU Members:

- SVT (Sweden) Multi-format Test Set in 1080p/50, 720p/50 and 1080i/25
- TPC, SRG and EBU football sequences in 720p/50 and 1080i/25
- New: sequences from the 2006 Eurovision Song Contest, football and festivals in 1080p/50, 1080i/25 and 720p/50

