

DIGITALES AUDIO/VIDEO

POPULÄRE / WICHTIGE FORMATE

CONTAINER

- Audio Video Interleaved (.avi)
- Quicktime (.mov)
- Matroska (.mkv)
- MPEG-4 (Part 14) (.mp4, .m4v)
- Material eXchange Format (.mxf)

CONTAINER: HERKUNFT

- AVI: Microsoft (1992)
- MOV: Apple (1991)
- MKV: Open Source (2002)
- MP4: Motion Picture Experts Group (2004)
- MXF: "The Industry" (2004)

AUDIOCODECS

- MPEG-1 Audio Layer II (.mp2)
- MPEG-1/2 Audio Layer III (.mp3)
- AC-3
- Advanced Audio Coding (.aac)
- Free Lossless Audio Codec (FLAC)
- PCM (aka "WAV")

VIDEOCODECS

- MPEG-1/2
- MPEG-4 SP (XviD/DivX)
- MPEG-4 AVC (H.264)
- WMV
- DV
- JPEG2000
- FFV1 (lossless)
- V210 (uncompressed)

**LOSSY,
LOSSLESS,
UNCOMPRESSED?**

WO IST DER UNTERSCHIED?

lossy:	verlustbehaftet
lossless:	verlustfrei komprimiert
uncompressed:	unkomprimiert. verlustfrei

Generation Loss Comparison

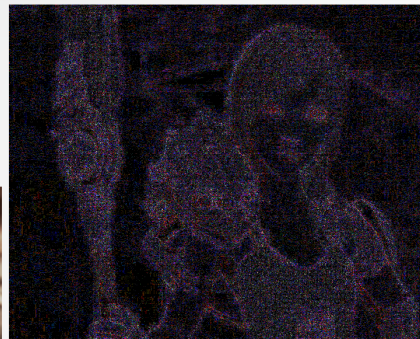
(color/contrast increased for better visibility)

Original

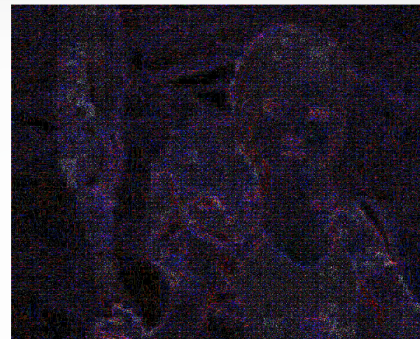


RAW (YUV422)

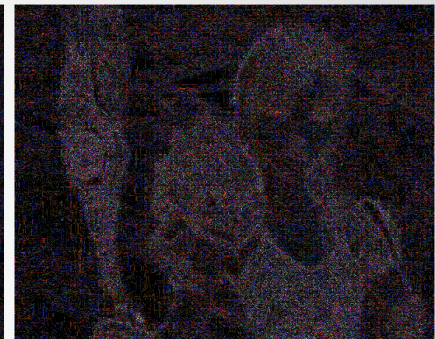
IMX50 D10 (YUV422)



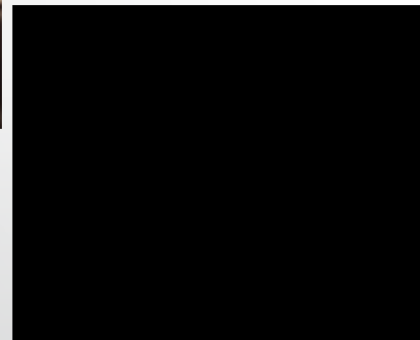
DVCPro50 (YUV422)



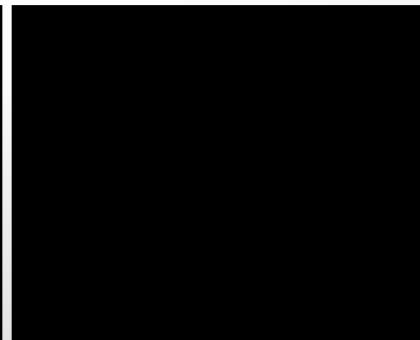
IMX50 D10 (YUV422)



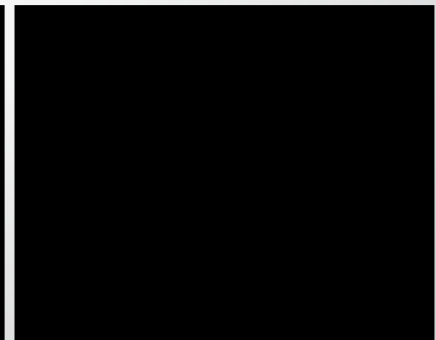
Delta Original / Gen1



Delta Gen1 / Gen2



Delta Gen2 / Gen3



FFv1 (YUV422)

FFv1 (YUV422)

FFv1 (YUV422)

HÄUFIGES MISSVERSTÄNDNIS

Komprimiert ist nicht gleich "lossy".

Unrivalled Video Quality

DeckLink lets you work with compressed video formats such as ProRes and DNxHD as well as 10-bit uncompressed video. When working with uncompressed video, all images are a mathematically perfect pixel-for-pixel clone of the source, without any generational loss, so you have the confidence you're working at the absolute highest quality possible.

Get sharper keying with green screens, cleaner compositions, superior color correction and more! Support for industry leading file formats ensures that you can maintain high quality throughout post production should you need to use video compression.



Source (22.Dec.2013)
<http://www.blackmagicdesign.com/products/decklink>
<http://www.blackmagicdesign.com/media/5278706/quality.jpg>

LINKS

- [Blog: "MAGIX: Retten Sie Ihre Videokassetten!"](#)

FRAGEN?

NÄCHSTES KAPITEL...