Videokonferenztechnologien und ihre Anwendungsszenarien (VIKTAS)

HD – Anwendungen, Formate und Kompatibilität

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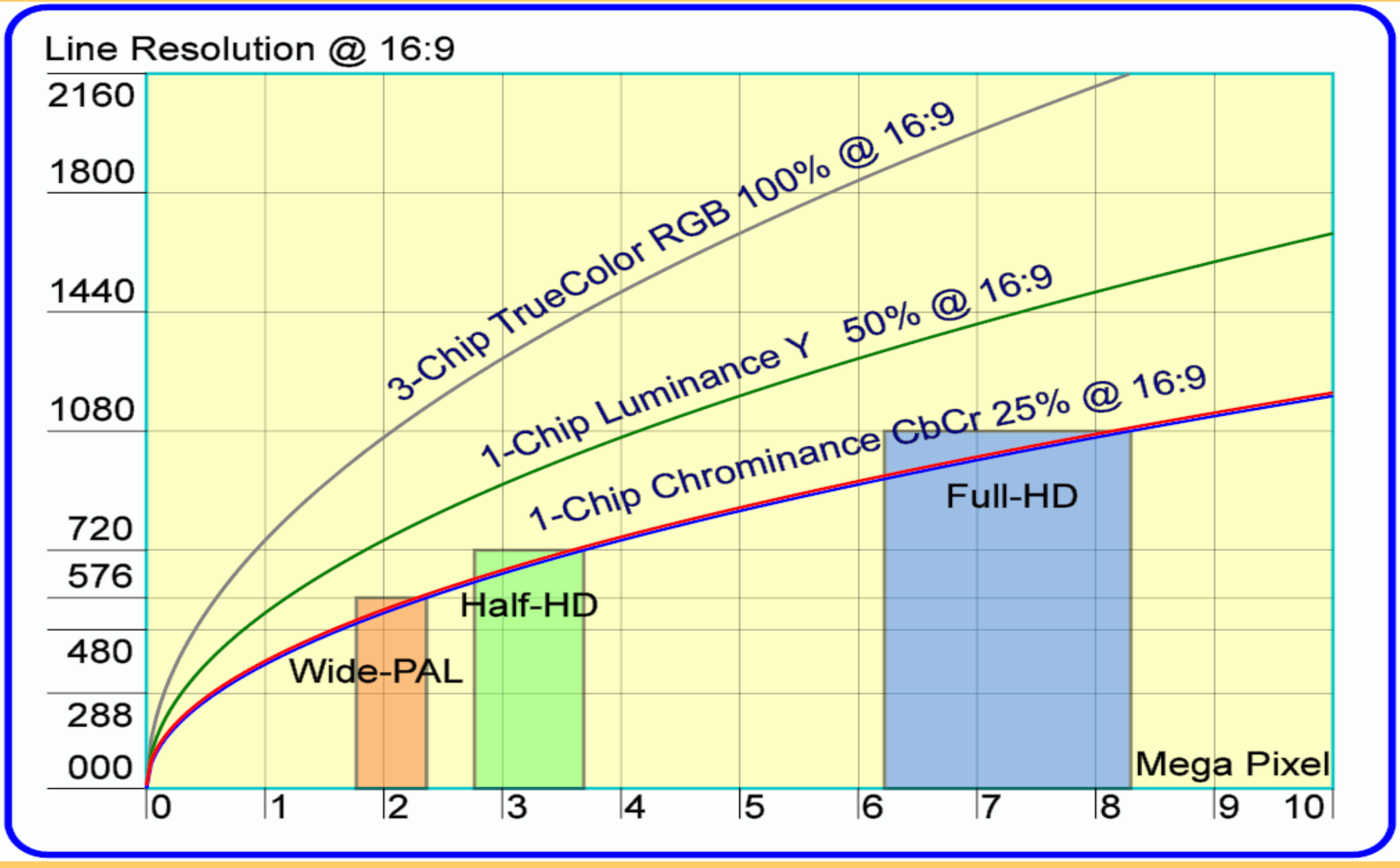
Connectivity von analog S-Video, RGB, YPbPr bis digital HD-SDI

- Sony EVI-HD1 System Select mit 14 (+ 2 reservierten) Betreibsarten:

HD (NTSC): 1080i @ 59,94 Hz, 1080p @ 29,97 Hz, 720p @ 59,94 Hz, 720p @ 29,97 Hz;
HD (PAL): 1080i @ 50,00 Hz, 1080p @ 25,00 Hz, 720p @ 50,00 Hz, 720p @ 25,00 Hz;

SD (NTSC): NTSC Letter Box (LB), Crop (CR), Squeeze (SQ);
SD (PAL): PAL Letter Box (LB), Crop (CR), Squeeze (SQ);

Unterschiede von 1-Chip und 3-Chip Kameras: 1x1 MegaPixel ist KEIN HD !



Video, Conferencing, Gaming, Entertainment zusätzlich in Fahrzeugen

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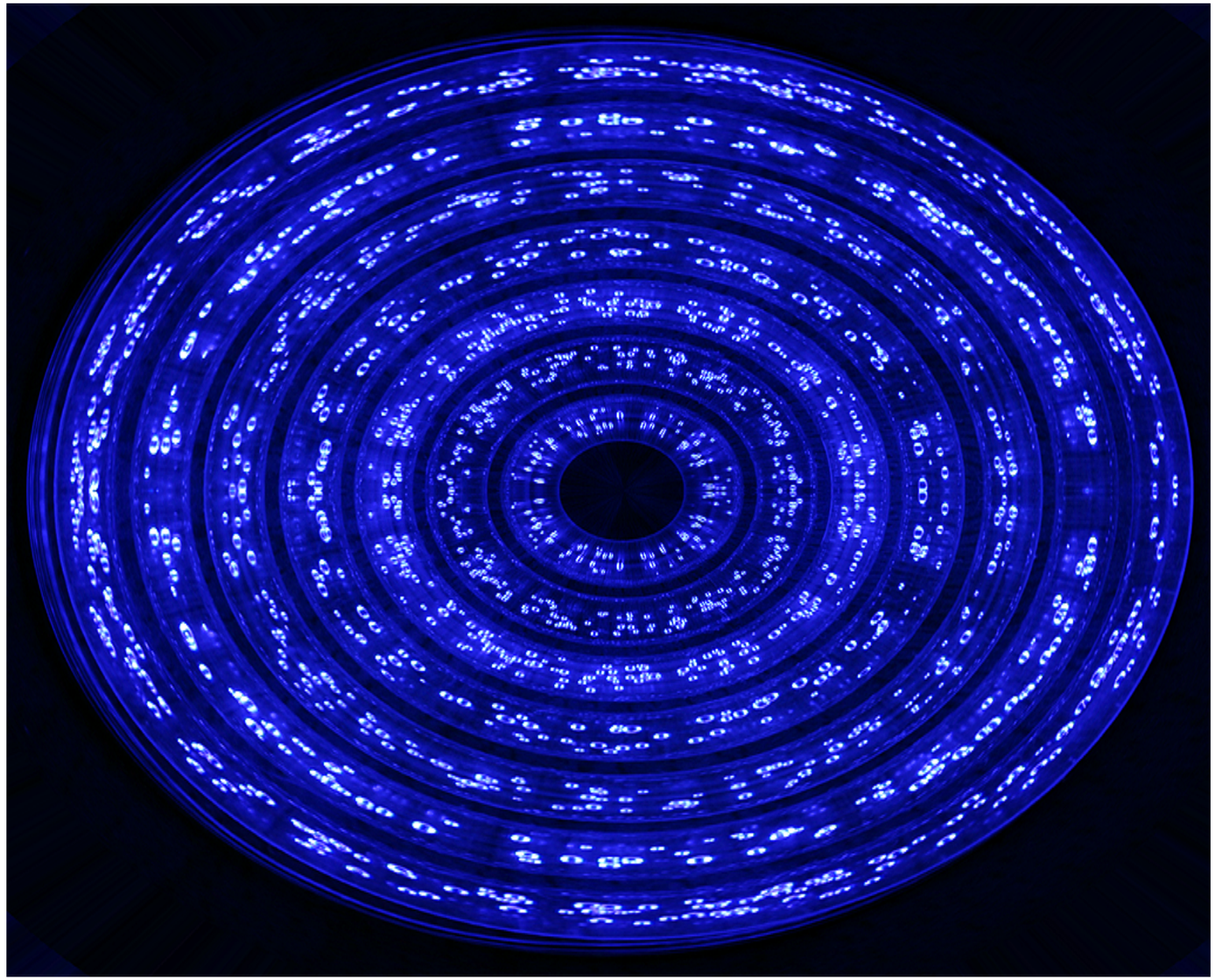
Notebooks und mobile Player mit analogen und digitalen Anschlüssen

Format Krieg 12 Jahre: Blu-ray Disc (HD- Disc), Januar / Februar 2008



- VHS Syndrom aus den 80-ern;

- Spielekonsole PS3 Marktanteile;

- Entscheidungs-Hilfen (Mrd.);

- teurer und Gewinn-trächtiger;

- nicht rück-kompatibel;

- Verschlüsselung (durchbrochen);

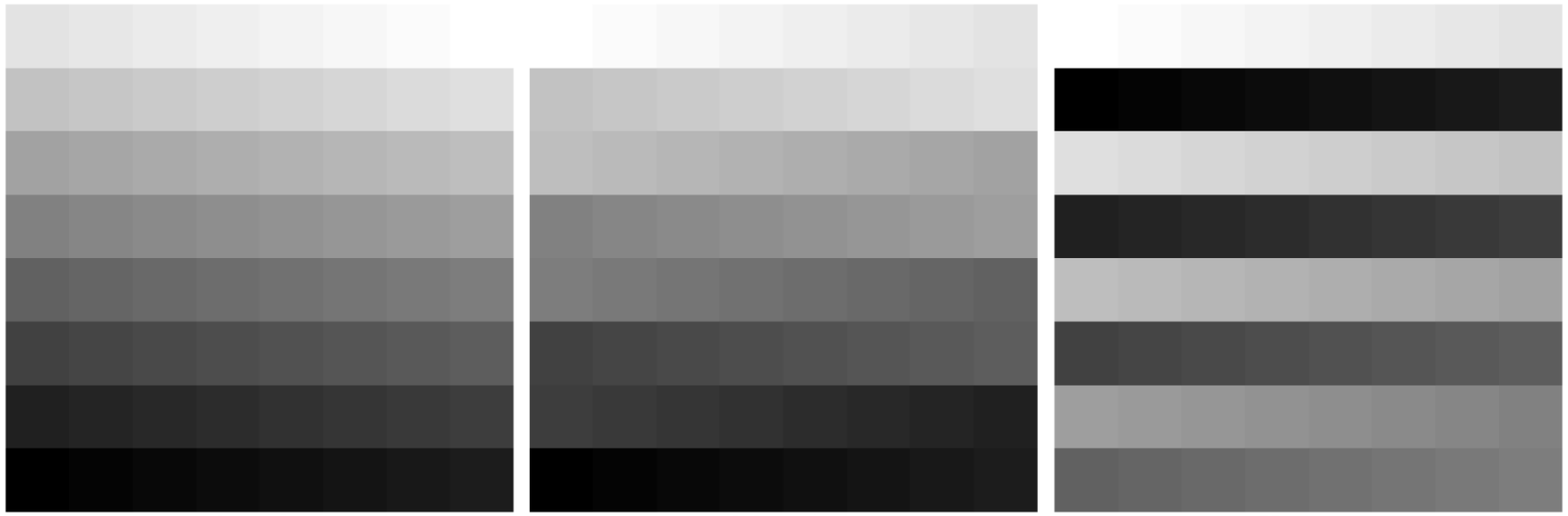
- One-Way Produkt und Verschleiß;

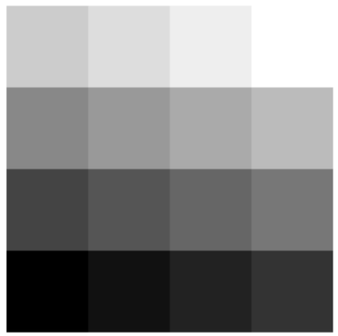
- derzeit 1/3 Ausschuß - Produktion;

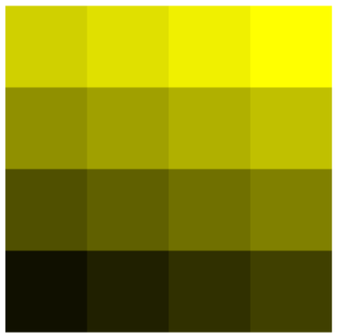
- kurzer Lebens-Zyklus (< 5 Jahre);

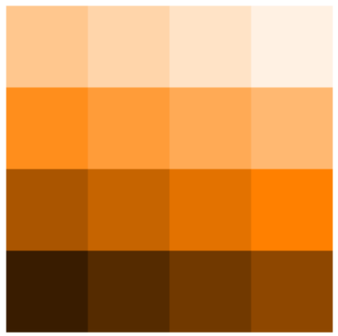
Telepresence and Digital Cinema in multiple HD Resolution and 24:9

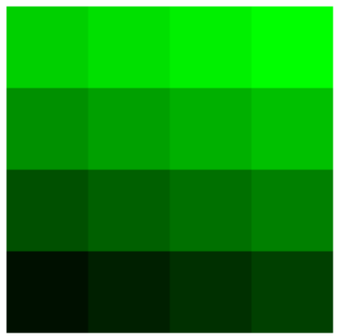
Grauwert Testmuster in 2D, Unterschiede von SD und HD sowie Gamma

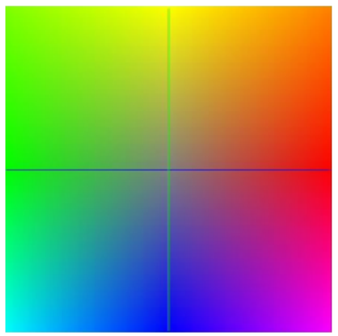


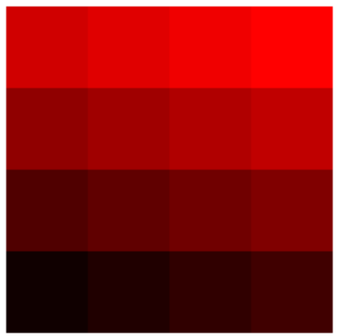

Grau - Gray

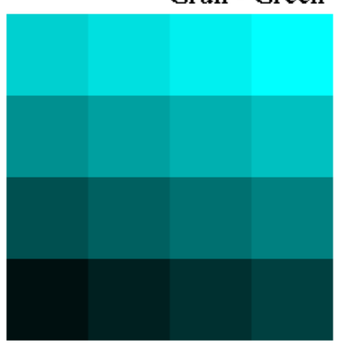

Gelb - Yellow

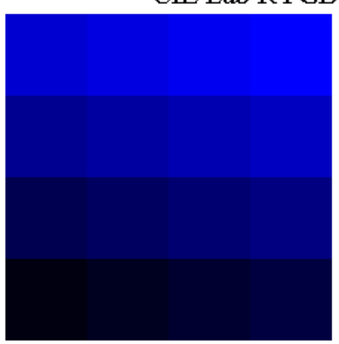

Haut - Skin

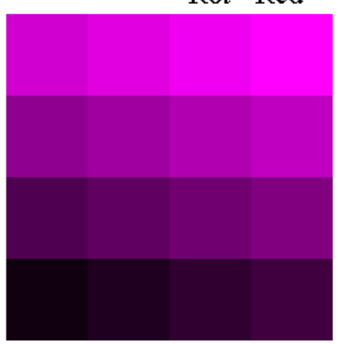

Grün - Green


CIE Lab RYGB


Rot - Red


Zyan - Cyan


Blau - Blue


Purpur - Magenta