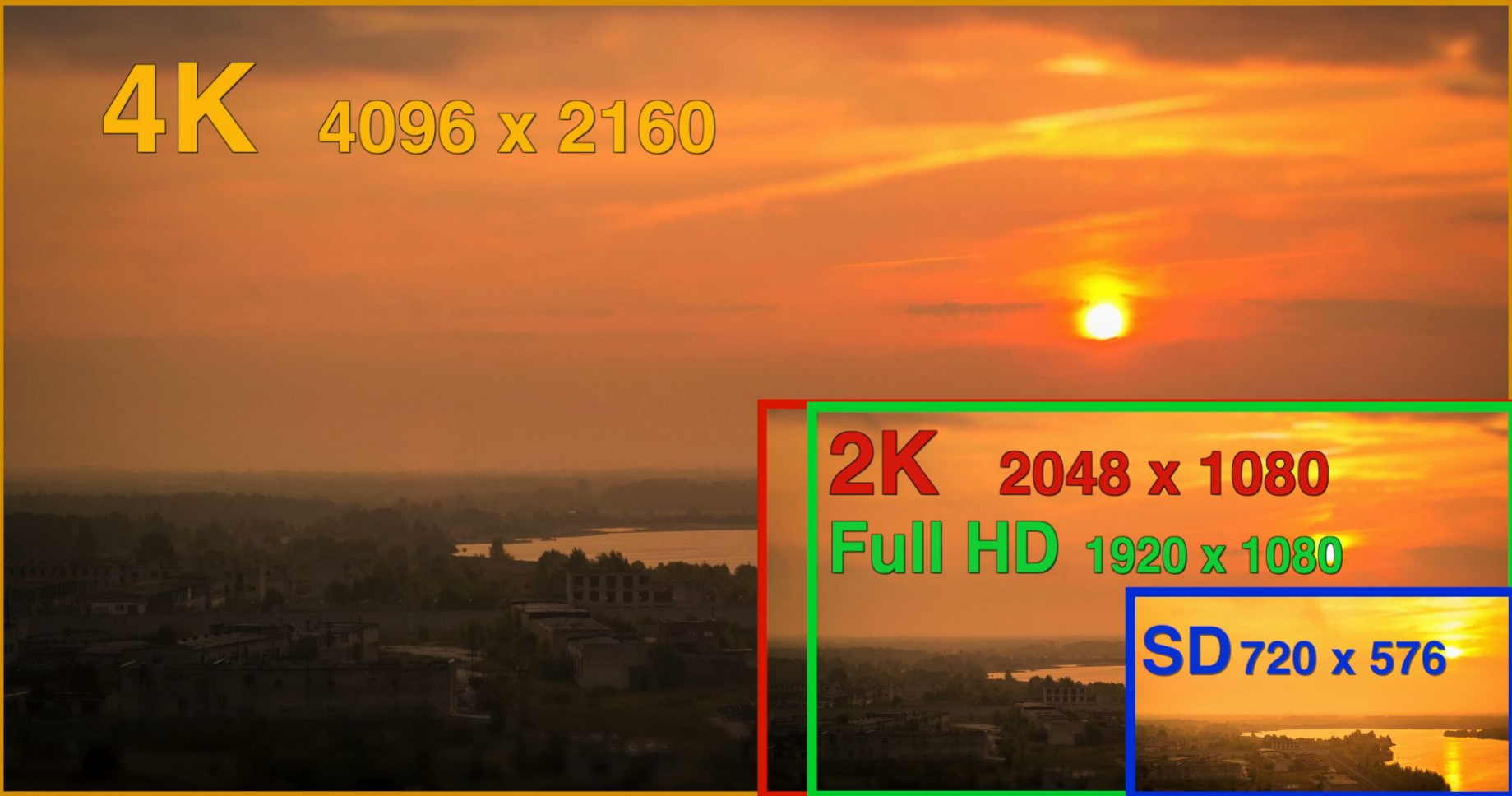


Filmitootmise tehnoloogiad

Tarmo Rajaleid

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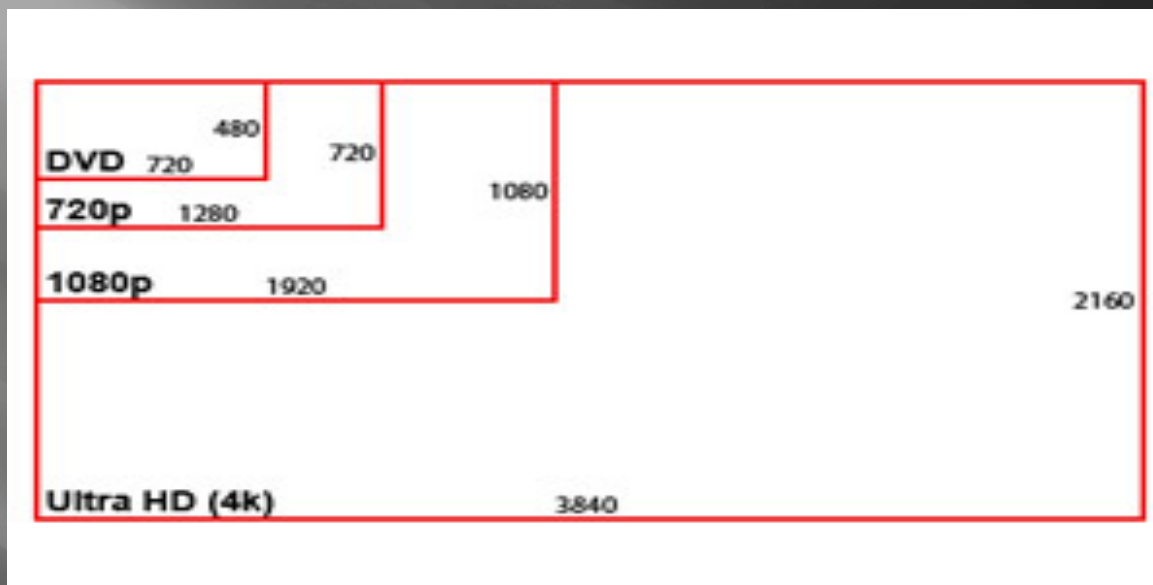
4K 4096 x 2160

2K 2048 x 1080

Full HD 1920 x 1080

SD 720 x 576

Formaatide võrdlus



<http://hometheaterreview.com/ultrahd-ultra-high-definition/>

HDTV vs DCI digitaalse kino formaadid

- **16:9 HDTV** 1920 x 1080 (1.78:1)
- **16:9 UHDTV** 3840 x 2160 (1.78:1)
- *2K Full Container* 2048 x 1080
- **2K Flat** 1998 x 1080 (1.85:1)
- **2K Scope** 2048 x 858 (2.39:1)
- *4K Full Container* 4096 x 2160
- **4K Flat** 3996 x 2160 (1.85:1)
- **4K Scope** 4096 x 1716 (2.39:1)

DCI - Digital Cinema Initiatives

- **Pilt:** JPEG2000 kodeeringuga
- CIE XYZ värviruum
- 12 bit iga värvikanali kohta (36 bits per pixel)
- Max bit rate 250 Mbit/sek
- **Heli:** 24 bit, sampling rate 48 kHz või 96 kHz,
- WAV uncompressed PCM

- <http://www.dcinovies.com>
- [http://dcinovies.com/specification/DCI DCSS v12 with errata 2012-1010.pdf](http://dcinovies.com/specification/DCI_DCSS_v12_with_errata_2012-1010.pdf)
- <http://www.jamesmilnersmyth.com/prepare-project-dcp-digital-cinema-package/>