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Philips 6700 65PUS6703/12 Calibration

45PUS6703 45PUS6703 55PUS6703 55PUS6753 65PUS6703 65PUS6753

Ambilight

Wall Color	Light Blue	Result - Warm White
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SDR

Name	Value
Picture style	Personal
Color	62
Contrast	8 Night / Day 33
Sharpness	1
Brightness	50
Color enhancement	Maximum
Color temperature (6500K)	Custom * or Movie mode (~7000K)
Custom Color RED	196
Custom Color GREEN	134
Custom Color BLUE	66
Contrast Mode	Energy Saving
Dynamic Contrast	Minimum
Video Contrast	96
Gamma	1
Ultra Resolution	On * adds some background noise but sharper
Noise Reduction	Off
MPEG Artefact Reduction	Off * maybe minimum
Motion Styles	Standard

HDR

Name	Value
Picture style	HDR Personal
Color	64
Contrast	8 Night / Day 33
Sharpness	1
Brightness	50
Color enhancement	Maximum
Color temperature (6500K)	Custom * or Movie mode (~7000K)
Custom Color RED	196
Custom Color GREEN	134
Custom Color BLUE	66
Contrast Mode	Energy Saving

Name	Value
HDR Plus	Maximum
Video Contrast	100
Gamma	0
Ultra Resolution	* adds some background noise but sharper
Noise Reduction	Off
MPEG Artefact Reduction	Off * maybe minimum
Motion Styles	Standard

It looks like TV is doing

- Inserting Intermediate Frames by Image Warping (Motion Styles)
- Neural upscale like nedi3_rpow2
- Color Gamut Expansion with Skin tone repair (Color Enhancement)
- Ultra Resolution - *I don't know exactly what this thing do. It's not simple sharpener.*
- HDR10 - Working properly, but panel cannot display above levels just map standard levels as is.
- HDR - TV understand HEVC metadata, but cannot play VP9 HDR

TV can play MPEG4 ASP, H264, HEVC, VP9 in 10bit up to 100mbit/s
DivX must be corrected by FFMPEG otherwise won't play

Lenovo VIBE Z2 Pro

~6500K	Value
RED	100
GREEN	87
BLUE	90

- Phone can accelerate H264 4K and HEVC 1080p in 8bit
- Phone can record H264 3840x2160x30fps 100mbit/s in 8bit

Lenovo YOGA Tab 3 Plus

~6500K	Value
RED	100
GREEN	86
BLUE	88

- Tablet can accelerate H264, HEVC, VP9 up to 4K in 8bit

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