









## On Set Monitors UHD/4K Comparison Chart

Panel Resolution	FULL-HD	FULL-HD	UHD	UHD
Model	<b>Sony PVM-A250</b>	<b>Flanders DM240</b>	<b>SmallHD OLED 22</b>	<b>Sony PVM-X2400 Trimeter</b>
Panel Type	OLED	LCD	OLED	LCD
Screen Size	24,5" / 62,3 cm	24" / 610 mm	21.6" / 55cm	24" / 610 mm
Resolution	1920 x 1080	1920 x 1200	3840 x 2160	3840 x 2160
Brightness	100 nits	450 Nits	350 nits	1000 Nits
Contrast	> 10:1	1500:1	> 1,000,000:1	1,000,000:1
Color Depth	10-bit	10-bit	10-bit	10-bit
Color Space/Gamu	100% DCI-P3 100% REC 709 REC 2020 with D65	100% DCI-P3 100% REC 709	100% DCI-P3 100% REC 709	100% DCI-P3 99% REC 709 REC 2020 with D65
HDR	no	HDR Emulation	no	yes
Viewing Angle	178°	179°	178°	89°/89°/89°/89°/
Input Signal	2x 3G-SDI 1x HDMI	2x 3G/HD/SD-SDI DVI Digital DisplayPort	4x 12G/6G/3G/HD-SDI 1x HDMI 2.0 (4K60)	2x 12G/6G/3G/HD-SDI 2x 3G/HD-SDI 1x HDMI 1.4
Output Signal	2x 3G-SDI	3G/HD/SD-SDI 2nd Mon outputs (can mirror on screen view, apply LUT,...)	4x 12G/6G/3G/HD-SDI 1x HDMI 2.0 (4K60) (coming soon) 1x 3.5mm 3-pin Stereo Headphone Jack	2x 12G/6G/3G/HD-SDI 2x 3G/HD-SDI
Video Formats	SDI 1080p: 23.98/24/60 1080PsF: 23.98/24 1080i: 60 720p: 50/60  HDMI 1080p: 23.98/24/60 1080i: 60 720p: 50/60	2K (2048 x 1080) from 23.98PsF to 30p 3G-SDI (1920 x 1080) from 720p50 (4:4:4 YCbCr) up to 1080p60 (4:4:4 YCbCr)	4K (4096x2160) UHD (3840x2160) 2K (2048x1080) Full-HD (1920x1080)	4K (4096x2160) UHD (3840x2160) 2K (2048x1080) Full-HD (1920x1080)
Power Input	100 to 240 V AC, 50 / 60 Hz at 1.3 to 0.6 A	1x 4pin XLR; 12~24V DC 230V AC	1x 3pin XLR (12-34V/12A) 1x Dual-GM/VM Batt. Plate (14/26) sold separately	1x 3pin XLR; 22-32V DC 230V AC
Power Output	-	-	2x 2pin (12V/2A combined) 2x USB (5V/2.4A) (Front/Rear) 1x USB-C (5V/1.5A)	-
Consumption	115W (max.) 80W (typical)	29W @ 100nit / 48W Max	127w (monitor only) 208w (max access. power draw)	approx. 180W AC approx. 165W DC
Calibration	Manual Calibration possible Auto Calibration(with Sony Monitor_AutoWhiteAdjustmen software)	Auto Calibration possible (via GaiaColor AutoCal) Manual Calibration possible	yes	Manual Calibration possible Auto Calibration(with Sony Monitor_AutoWhiteAdjustmen software)
LUTs	no	Real-Time processing up to 16x 3D LUTs upload	17pt 3D-LUT on output/input 33pt 3D-LUT on output/input (coming soon)	User 3D LUT
Data I/O	-	1x LAN 1x GPI 1x RS-485 2x RS-486 1x USB 2.0 TypA 1x USB 2.0 TypB	1x SD Card Slot 1x RJ45 Ethernet 1x RJ45 GPI	1x RJ45 8pin
Dimensions	without Feet: 58,1x 38,7x 5,6 cm	57,2x 40,3x 5,2 cm	without Handle and Feet: 52,8x 36x 3,5 cm	Main: 56,8x 39,8x 15,9 cm with stand: 56,8x 39,8x 17,9 cm
Weight	6,1 KG	without stand: 6 Kg with basic stand: 7,4 Kg with Carrying Case and Hood: 10,5 Kg	4,2 Kg	10,5 Kg
Special Features	* Reference Monitor via calibration with Delta E <1 * Up to 10-bit 4:4:4 via Quad-Link  - only 230V AC input	* Cross Conversion (DisplayPort, BNC, DVI) * 2K Signal Support * Software Integration (LiveGrade, Prelight, ScopeStream, TakeHD,...) * Zero Delay in Fast Mode  - only 450 Nits Brightness	* Internal Calibration possible *2x 2pin Lemo power output for accessories * Lightweight  - high price	* Near Reference Monitor via calibration with Delte E <1  - Voluminous
Euro List Price aprox.	6.500 - EOL	4.605	11.322	10.500
Picture				

\*1: available calibration tools:      II X-Rite i1 Pro/i1 Pro2/...      II Photo Research PR-655/670      II Klein K-10

## On Set Monitors UHD/4K Comparison Chart

Panel Resolution	UHD	UHD	4K / DCI	4K / DCI
<b>Model</b>	<b>Tvlogic LUM-242H</b>	<b>SmallHD Cine24</b>	<b>Atomos Neon 24</b>	<b>SmallHD Vision24</b>
<b>Panel Type</b>	LCD	LCD	LCD	LCD
<b>Screen Size</b>	24" / 610 mm	24,1" / 612 mm	24" / 610 mm	24,1" / 612 mm
<b>Resolution</b>	3840 x 2160	3840 x 2160	4096 x 2160	4096 x 1260
<b>Brightness</b>	1500 Nits	1350 Nits	1000 Nits	1000 Nits
<b>Contrast</b>	1000:1	1000:1	1.000.000:1	1,000,000:1
<b>Color Depth</b>	10-bit	8+2 bit	10-bit	10-bit
<b>Color Space/Gamu</b>	90% DCI-P3	100% DCI-P3	100% DCI-P3	100% DCI-P3
<b>HDR</b>	HDR Emulation	no	yes	yes
<b>Viewing Angle</b>	178°(H)/178°(V)	178° (acc to Manufacturer) visible Color Shift	178° (H)/178°(V)	TBA- 178°
<b>Input Signal</b>	2x 12G-SDI & 2x3G-SDI in 4x 3G-SDI In/Out (Active Through Out) 1x HDMI 2.0	4x 12G/6G/3G/HD-SDI 1x HDMI 2.0	2x 12G/6G/3G/HD-SDI (I/O) 1x HDMI 2.0b (requires NEON Master Control Unit and AtomX SDI Expansion Module)	4x 12G/6G/3G/HD-SDI 1x HDMI 2.0
<b>Output Signal</b>	12G-SDI A/B, 3G-SDI C/D Channel (Loop Through Out)	4x 12G/6G-3G-/HD-SDI 1x HDMI 2.0	2x 12G/6G/3G/HD-SDI (I/O) 1x HDMI 2.0b (requires NEON Master Control Unit and AtomX SDI Expansion Module)	4x 12G/6G/3G/HD-SDI 1x HDMI 2.0
<b>Video Formats</b>	UHD (3840x2160) Full-HD (1920x1080)	4K (4096x2160) UHD (3840x2160) 2K (2048x1080) Full-HD (1920x1080)	4K (4096x2160) UHD (3840x2160) 2K (2048x1080) Full-HD (1920x1080)	4K (4096x2160) UHD (3840x2160) 2K (2048x1080) Full-HD (1920x1080)
<b>Power Input</b>	1x 4pin XLR; 12V-24V DC 230V AC	1x 3pin XLR; 12V-24V DC 1x Dual-GM/VM Batt. Plate (14/26) sold separately	19V multi pin input via Power Supply	1x 3pin XLR; 12V-24V DC 1x Dual-GM/VM Batt. Plate (14/26) sold separately
<b>Power Output</b>	-	2x 2pin 12V/2A 1x USB 2.4A 1x USB 1.5A 1x USB-C 5V/1.5A	-	2x 2pin 12V/2A 1x USB 2.4A 1x USB 1.5A 1x USB-C 5V/1.5A
<b>Consumption</b>	tba	approx. 128W with max accessories 209W	260W	approx. 225W with max accessories 306W
<b>Calibration</b>	TVLogic Color Calibration Utility Manual Calibration possible	yes	yes via: USB-C to Serial Calibration Cable, X-Rite i1 Display Pro and Mac/Windows free software	yes
<b>LUTs</b>	3D LUT & Adjustable Gamma 3rd Party 3D LUT Import via	17pt 3D-LUT on output/input 33pt 3D-LUT on output/input (coming soon)	3D LUT Display only (.cube format)	17pt 3D-LUT on output/input 33pt 3D-LUT on output/input (coming soon)
<b>Data I/O</b>	1x Remote - GPI (RJ45) 1x USB for FW Update 1x Ethernet Control support	1x SD Card Slot 1x RJ45 Ethernet 1x RJ45 GPI	1x SATA via 2.5" SSD/ SSDmini 1x Serial remote via 2.5mm jack	1x SD Card Slot 1x RJ45 Ethernet 1x RJ45 GPI
<b>Dimensions</b>	Main: 55,2x 36,0x 9,9 cm with stand: 58,6x 38,3x 15,0 cm	59,1x 44,5x 5,1 cm	59,4x 33,9x 7,3 cm	TBA
<b>Weight</b>	10,3 Kg	7,5 Kg	8,6 Kg	TBA
<b>Special Features</b>	* Attractive price-performance ratio  - only HDR Emulation	* Internal Calibration possible * 2pin Lemo power out for accessories * Powering via V-Mount/GM Plate  - only 8+2 bit Panel	* 4K/DCI Resolution Display * Recording and Playback via 2.5" * Dolby Vision via HDMI * Future upgradable I/O  - Requires NEON Master Control Unit, AtomX SDI Expansion Module for I/Os - Monitor control via Bluetooth App - iOS and Mac OS only  * Coming soon: Hardwired control with up coming Button Bar Remote Control Unit (BBRCU)	-> no Hand-On experience so far
<b>Euro List Price approx.</b>	<b>5.800</b>	<b>5.732</b>	<b>5.999</b>	<b>14.117</b>
<b>Picture</b>				

\*1: available calibration

II Konica Minolta CA-210/CA-310/CS-200

II DK-Technologies PM5639/06