

Neo Series



HDR10
Vivid and Clear Details

240Hz
Frame Rate

7680Hz
Refresh Rate

1000000:1
Contrast Ratio

DCI-P3
Color Gamut

XMI0480/XMI1202
Premium Grey Performance

16Bit
Color Depth

Supporting 16-bit video sources, the Neo Series renders a staggering 68.7 billion colors. Rich in detail, with smooth gradients, it delivers a truly immersive and awe-inspiring visual experience.

Conventional



16Bit



XMI0480
XMI1202

Premium Grey Performance

1 grey scale > 240Hz refresh rate,

50 grey scale > 3840Hz

HDR 10

High Dynamic Range Display

Paired with an HDR control system, the Neo Series can achieve HDR10, HLG and other HDR standards, presenting images with an exceptional dynamic range, high contrast, and a wide color gamut.



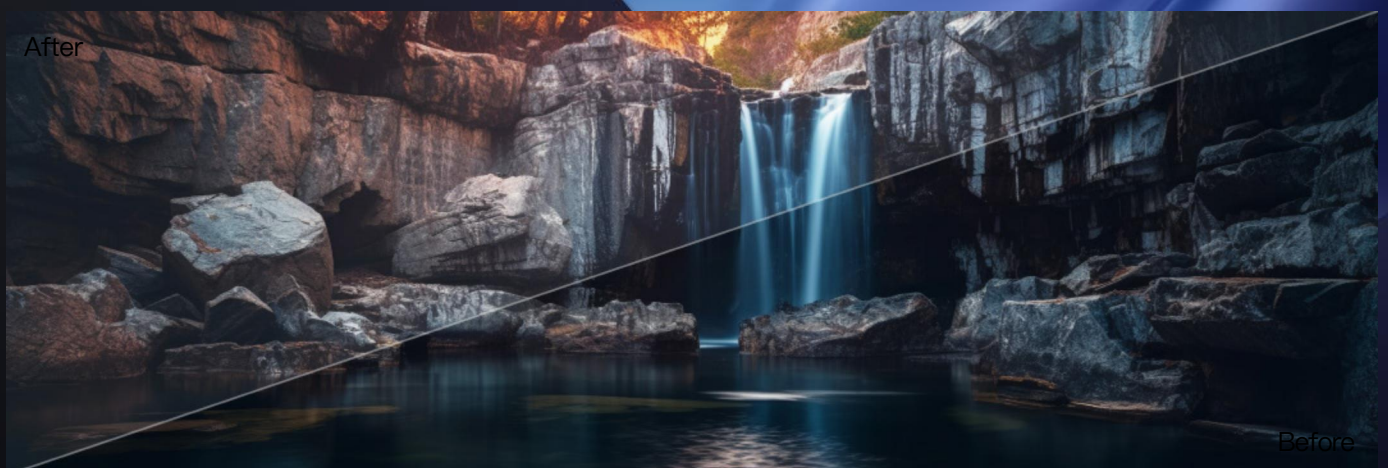
240Hz

High Frame Rate

Supports up to 120Hz/240Hz high frame rate display for smoother motion, reducing ghosting and trailing issues, delivering fine, fluid, and crisp visual performance.

Gray Scale Extension

Grayscale extension increases the effective output bit depth, resulting in smoother and more natural gradients, while revealing finer details in darker areas.



Multi-Level Calibration

Multi-level calibration technology eliminates mottling and color blocking issues at different gray levels, ensuring uniform and consistent display across all grayscales.

Regular calibration

Full Gray Scale calibration

High Gray Level

Mid Gray Level

Low Gray Level

Support Redundant PSU and Backup Data

Automatically switches to a backup receiver card or power supply if the primary ones fail, ensuring uninterrupted display without blackouts.

Neo Series Flip Chip COB Specification											
Product	i1.2	i1.2 Pro	H0.6	H0.7	H0.9Pro	H1.2pro	H1.5Pro	C0.9	C1.2	C1.5	C1.8
Pixel Pitch(mm)	1.25	1.25	0.625	0.78125	0.9375	1.25	1.5625	0.9375	1.25	1.5625	1.875
LED Type	Flip Chip COB										
Brightness(nits)	1000~2,000 (after calibration)		800 (after calibration)		1000 (after calibration)			600 (after calibration)			
IC Driver	XM11202		XM10480					ICN1069		ICN1065	
Refresh Rate(Hz)	7680		3840		7680			3840			
Drive Type	Common Cathode		Common Cathode					Common Cathode		Common Anode	
Scan Rate	1/27	1/15	1/60	1/64	1/40	1/40	1/36	1/54	1/60	1/48	1/45
Panel Material	Die-Casting Aluminum										
Panel Size(mm)	600x337.5x30 150x337.5x30										
Panel Resolution	480x270	480x270	960x540	768x432	640x360	480x270	384x216	640x360	480x270	384x216	320x180
FHD Layout	4x4	4x4	2x2	-	3x3	4x4	5x5	3x3	4x4	5x5	6x6
4K layout	8x8	8x8	4x4	5x5	6x6	8x8	10x10	6x6	8x8	10x10	12x12
Panel Weight(Kg)	5										
Module Size(mm)	150x168.75										
Module layout	4x2										
Module resolution	120x135	120x135	240x270	192x216	160x180	120x135	96x108	160x180	120x135	96x108	80x90
Contrast	15,000:1							10,000:1			
Max Power Consumption(w/m²)	160	160	300	360	300	260	255	300	270	260	255
Avg Power Consumption(w/m²)	50	50	100	120	100	87	85	100	90	87	85
Gray Level(bit)	>16		>16					>13			
Installation Type	Mounting/Stacking/Hanging										
Maintenance	Front										
Certification	CE/FCC/ETL/CB/RoHs										