

MicroLED 光源

提供波长范围覆盖紫外至可见光，再到红外，分辨率从 400 DPI 到 10000 DPI 的 MicroLED 微显示芯片，这种芯片材料为无机物化合半导体，具有高亮度，高 EQE，高可靠性等特点，可应用于 AR，VR，HUD，投影仪，武器瞄准器，3D 打印，显微镜等多种显示领域的理想光源。

	5um pixel pitch (5000 pixel per inch), updated on 6/18/2020			
Wavelength	Red (625-635nm)	Green (520-530nm)	Blue(445-455nm)	UVA (400-410nm)
Wavelength FWHM (nm)	15.4	30	16.2	15.3
Pixel pitch (um)	5	5	5	5
Emitter diameter (um)	1.9	1.7	1.7	1.7
Resolution	1280x720	1280x720	1280x720	1280x720
Active Area (mm X mm)	6.72 X 3.92 (0.31 inch)	6.72 X 3.92 (0.31 inch)	6.72 X 3.92 (0.31 inch)	6.72 X 3.92 (0.31 inch)
Chip Dimension (mm X mm)	8.4 X 5.93 (0.4 inch)	8.4 X 5.93 (0.4 inch)	8.4 X 5.93 (0.4 inch)	8.4 X 5.93 (0.4 inch)
Refresh Rate (Hz)	240	240	240	240
Pixel drive method	Digital	Digital	Digital	Digital
Gray level control	Current PWM	Current PWM	Current PWM	Current PWM
Gray Levels	256	256	256	256
Duty Cycle	1/4	1/4	1/4	1/4
Max Peak pixel current (uA)	1.6	1.6	1.6	1.6
Max Panel current (A)	0.369	0.369	0.369	0.369
LED voltage drop (V)	2.200	2.800	3.000	3.100
Maximum Power Input (W)	0.811	1.032	1.106	1.143
Working current density (A/cm ²)	70	70	70	70
WPE with all angles	1.00%	11.00%	9.50%	9.00%
WPE with solid angle +/-20 degrees	0.25%	3.30%	2.85%	2.70%



**其他规格可联系上海昊量光电设备有限公司。

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