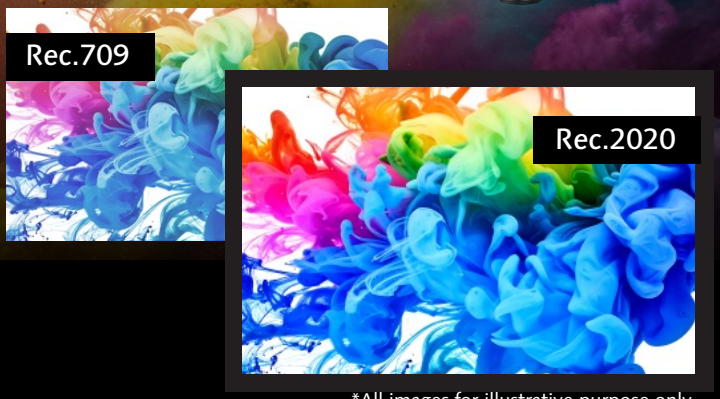
VIVID PRIME

Panasonic's VIVID PRIME™ technology redefines projection by supporting the wide color gamut of Rec.2020 and overcoming the traditional tradeoffs between color accuracy, image quality, and performance.

The Benefits

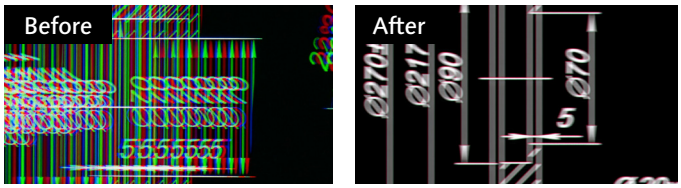
VIVID PRIME™ not only overcomes 1-Chip DLP™ limitations like restricted color brightness, but also addresses the challenges of 1-Chip DLP™ and pure RGB laser projectors, freeing creators and installers from long-standing trade-offs.



*All images for illustrative purpose only

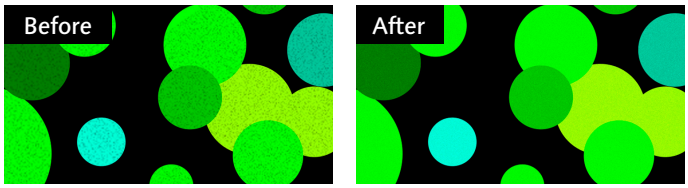
Reduced Rainbow Effect

Rainbow effects can be virtually eliminated by speeding up color switching. While faster color changes may cause gradation errors and dither noise, our technology prevents these issues.



Reduced Speckle Noise

VIVID PRIME™ reduces speckle noise. A vibrating diffuser plate continuously varies the speckle pattern, while a newly designed optical architecture keep the projector compact.

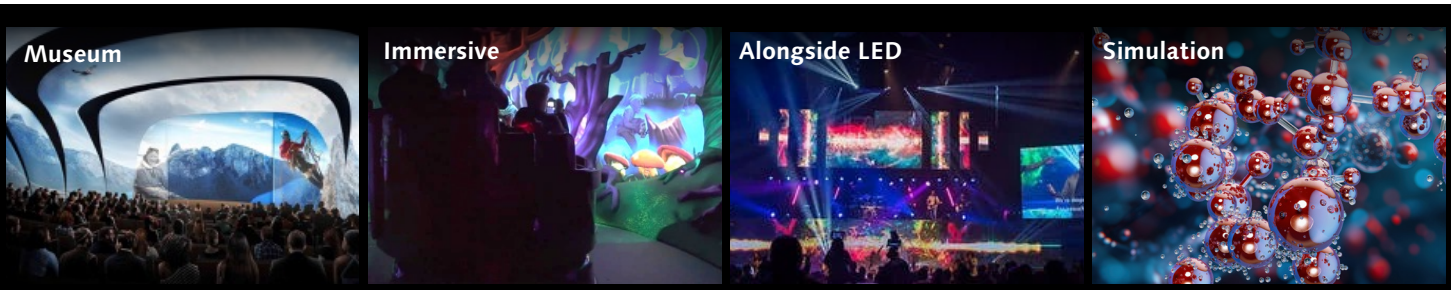


Reduced Color Shift

VIVID PRIME™ reduces color shift compared to Pure RGB laser projectors by using a phosphor wheel. Mixing a broad range of wavelengths reduces camera color shirt, while precision optical engineering keeps the color gamut intact.

Fine Gradation

Pure RGB lasers produce highly saturated primary colors, but some systems lack sufficient Rec.709 gradation. Vivid Prime™ reconstructs Rec.709 primaries through an analog approach, preserving fine gradation in each mode.



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