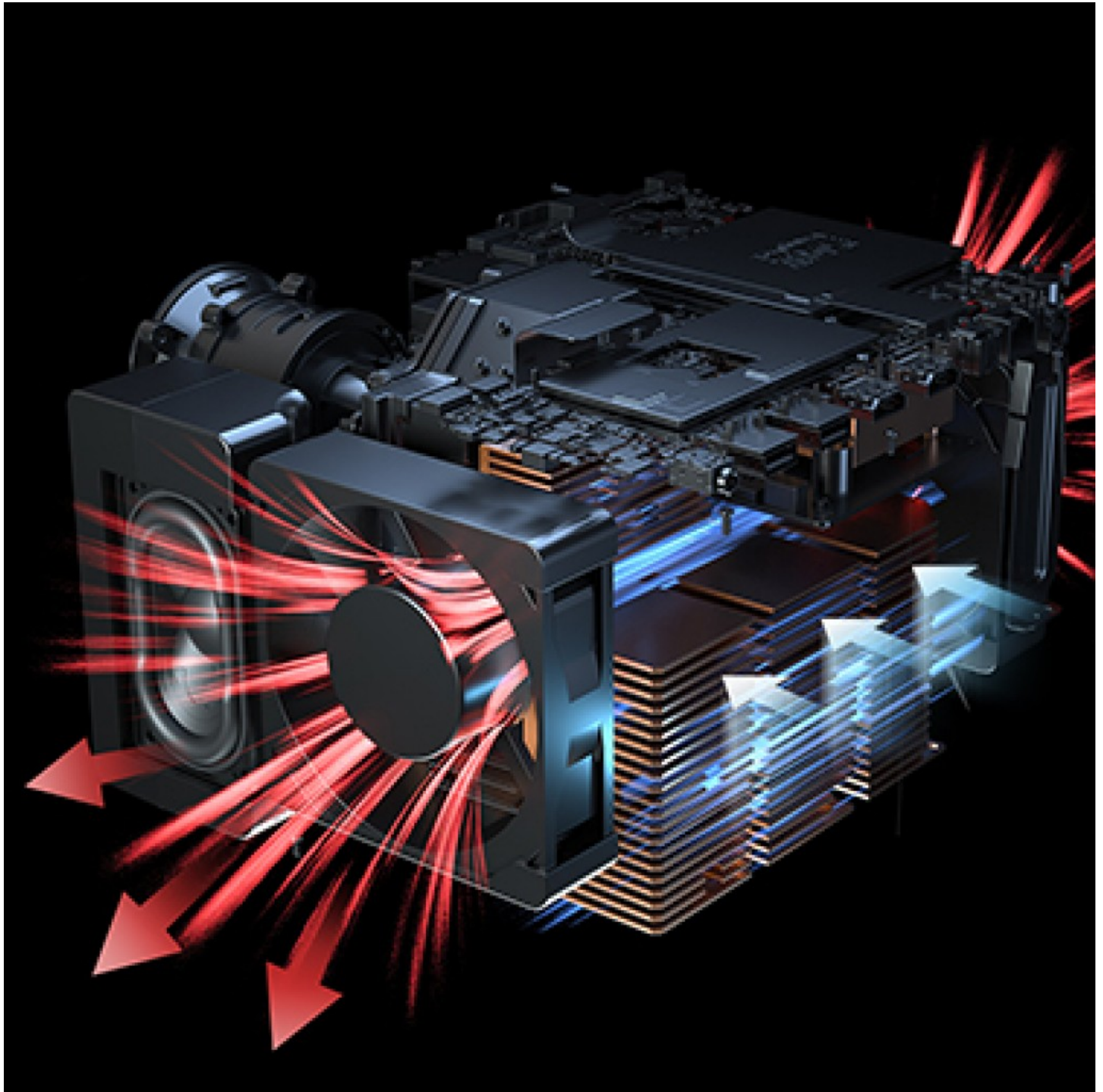


Dangbei Mars Pro² An 4K Home Projector with ALPD

This article will introduce ALPD, an advanced laser fluorescent display technology and review a stunning ALPD home projector Dangbei Mars Pro.



New York City, New York Sep 14, 2022 ([Issuewire.com](https://www.issuewire.com)) - Many people will see some projectors labeled ALPD when they purchase them and wonder what exactly is ALPD and what is the difference compared to other projection technologies. This article will introduce ALPD projection technology and review the [Dangbei Mars Pro](#), a home projector with ALPD technology.

What is ALPD projection technology?

ALPD is the "Advanced Laser Phosphor Display" abbreviation, that is, the advanced laser fluorescent display technology. ALPD based on GaN blue laser excitation movement of fluorescent materials to produce one or more primary colors for image display is the most critical high-brightness image display. It is the core technology for high brightness image display.

ALPD laser conventional technology uses light sources such as HID and other high-brightness bulbs to display color images, but these bulbs are faced with a short life, low efficiency, contain toxic materials, and other disadvantages. Since the invention of LED, it has been rapidly used in image display devices such as TVs due to its high efficiency and long life. However, although LED technology continues to progress and can provide a larger luminous flux, but is limited by the larger optical expansion, its brightness can not provide high brightness display requirements, even inferior to some traditional high-brightness bulbs, such as high-pressure mercury lamps used in traditional projectors.

The laser has good directionality, and the laser spot can be focused into a tiny (down to a few microns in diameter) spot. Its brightness is not only 100~1,000 times higher than that of LED but also much higher than that of traditional high-brightness xenon lamps. However, its high cost, low electro-optical conversion efficiency, and reliability greatly limit the application of lasers in the field of display.

ALPD fluorescence laser technology retains the inherent advantages of traditional laser with high brightness while adopting the primary technology route of blue light plus fluorescent material similar to mainstream LED lighting and display, innovatively invented remote rotating fluorescent device, which cleverly solves the problem of thermal quenching of fluorescence conversion and still maintains high conversion efficiency under the laser excitation of the high-density laser. ALPD™ laser light source has the advantages of both traditional laser and LED, and solves the shortcomings of both, which is a subversive new category of the light source and a breakthrough in the history of lighting technology.

In short, ALPD laser light source projection technology is the leading laser phosphor display technology in the projection industry, ALPD uses GaN-based blue light laser to excite the movement of fluorescent materials to produce one or more primary colors to achieve image display, which is the core key technology for high brightness image display. Dangbei released a new flagship projector called Dangbei Mars Pro this year, it also uses ALPD laser projection technology. ALPD technology is the world's leading laser light source projection technology solution with a series of features :

- High brightness
- Long lifespan
- Low cost
- Compact size
- High light efficiency
- Excellent image quality

How about the [Dangbei Mars Pro 4k laser projector](#)?

Ultimate 4K Laser Projector

Advanced 4K (3840 x 2160P) resolution and incredible 3200 ANSI Lumens, delivering true-to-life color with support for 4K Ultra HD, HDR 10+, HLG.

Built-in 4G RAM&128G ROM Android OS

[Dangbei 4K projector](#) is compatible with thousands of apps, such as Netflix, YouTube, TikTok, and more popular apps, you can enjoy quicker app launching, smoother videos, and better overall performance with Dangbei Exclusive OS.

Dual 10W Custom-designed Speakers

Dolby Digital Plus and DTS Studio Sound technology are well applied to our mars pro, in addition, you can connect via Bluetooth to use as a standalone speaker.

Brighter and Reliable Laser Technology

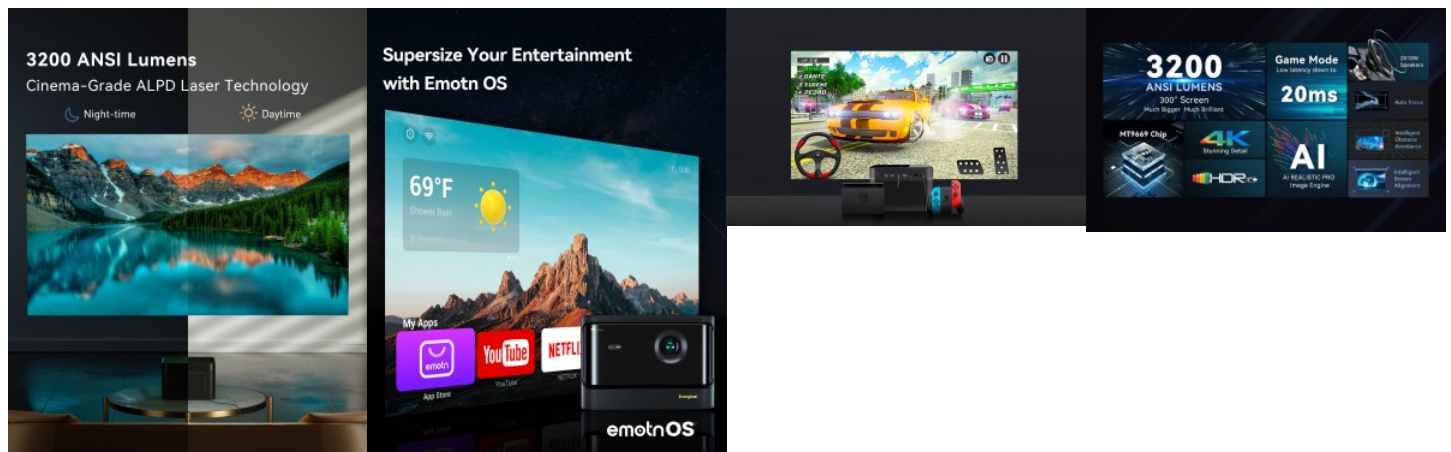
[Dangbei projector](#) with Laser Light Source offers a wider color gamut and rapid warmup and cool down.

Enjoy Smart Automatic Adaption

Autofocus, Auto Keystone Correction(40 Degrees Horizontal & Vertical), intelligent obstacle avoidance, intelligent screen alignment, No space constraints, you can place the smart projector anywhere.

Conclusion

The [Dangbei Mars Pro](#) is a great choice if you're technically demanding a projector but not saturated with a budget. Because it costs only \$1699 after discount. Such a good value-for-money home laser projector is not to be missed.



Media Contact

Edwina

mall@dangbei.com

Source : Dangbei Tech Company

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