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By: Alex Vochin, Technology Editor



Chilin projector - will the water-cooled version look like this too?
Chilin Technology

[CEDIA 2008: The World's First Lamp Free, Liquid-Cooled 1080p Projector](#)

Courtesy of Chilin Technology

Very few people heard of Chilin Technology up until now, at least as far as projectors are concerned. However, things might change in the future, since the Taiwan-based company has come up with what seems to be quite a revolutionary product at this year's CEDIA show, namely the world's first Lamp Free Full HD Home Theater Projector with liquid cooling. Much in the same way as the full HD projector announced by [Delta Electronics](#) last week at IFA, this particular device uses PhlatLight LEDs instead of a conventional UHP lamp, as well as the latest Texas Instrument 1080p (1920x1080) DMD technology. This way, the device can attain a brightness level of 600 ANSI lumen, as well as a contrast ratio in excess of 100,000:1. Moreover, the manufacturers claim that it's actually capable of delivering 128% NTSC color gamut, around 80% greater than the one achieved through conventional UHP projectors. However, the thing that really differentiates Chilin Technology's product from any other similar device on the market is the built-in liquid-cooling system, a technology that dissipates heat directly from the PhlatLight LEDs, which are operated at a high electric current of 30A. According to the manufacturer, this technology is designed to deliver a superior level of reliability, the company's engineers expecting the LED system to last for up to 50,000 hours (which is about 10 times more than current, lamp-based projectors). "Building on our 44-year heritage of superior technical capabilities, we at Chilin are very enthusiastic about the harmony of artistry and technology that we have achieved with our new LED based projector." said Alex Wang, senior product manager of Chilin Technology. "Though we may be a newcomer as a Taiwan OEM/ODM supplier in the custom home theater arena, we are focused on delivering ultra high end projectors that provide our customers superior color management, picture quality and thermal management systems," he added. Unfortunately, Mr. Wang left out some very important details, namely those related to pricing and availability. It remains to be seen whether this thing will make it out of Taiwan, but we certainly hope so, given just how innovative it might prove to be for the projection industry.

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