



Introducing 100% Sealed Optics

The 3-Chip DLP TITAN Laser utilises the most advanced 100% sealed optics and uses liquid cooling with radiators to remove energy to the outside environment. The optical system, from the laser light source up to the lens is completely sealed and can be considered IP60 rated. This ensures that light output and colour performance will not be degraded due to the ingress of dust. Additionally, this projector is completely filterless as the system is liquid cooled and uses a radiator heat exchanger, minimising maintenance as no replacement or cleaning of filters is necessary and allows unrestricted airflow.

A variety of our Single Chip DLP Projectors also benefit from this same level of sealed optic protection, the full list of projectors is:

3-Chip DLP	TITAN Laser 37000 WU	TITAN Laser 33000 4K-UHD	HIGHlite Laser II/4K-UHD
1-Chip DLP	M-Vision Laser 21000	M-Vision Laser 18K	E-Vision Laser 13000 WU
	E-Vision Laser WQ120	E-Vision Laser 8500/10K	E-Vision Laser 4K-UHD

Full Projector



Sealed Optics

TITAN Laser Sealed Optics Example

Our unique design does not only seal the laser light module, but the full optical path from laser to lens, ensuring the best possible lifetime of the projector.

Next Page: Dust Test Chamber >>



Dust Test Chamber



Chamber exterior



Chamber interior



Dust detector



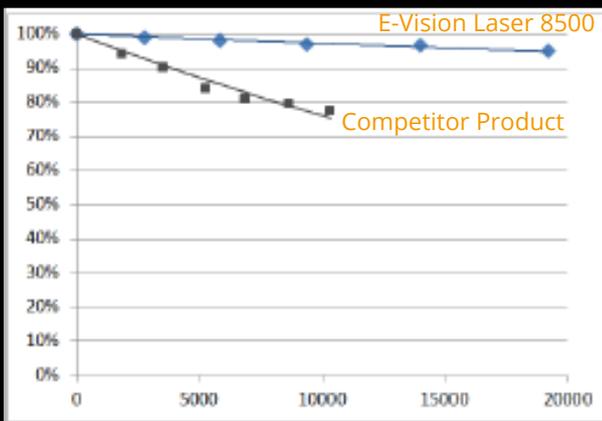
Control panel

Rigorous testing is undertaken in our specialised "Dust Test Chamber". This is utilised to simulate and test the effect that dust has on brightness decay over a long period of operation. The chamber is also temperature controlled, allowing us to simulate the widest variety of environments possible.

Dust Test Comparison

E-Vision 8500 vs. similar specification competitor

-- Test condition: 0.021mg/m³, 20,000 hours



-- Test condition: 0.061mg/m³, 20,000 hours

E-Vision & M-Vision Laser Projectors

