Discoscan lens

Scan laser beams over a very wide angle

In a disco or nightclub, you often want beams to fill the space. But it is difficult when lighting trusses are so close to the club patrons, and conventional laser projectors can only scan about 60°.

The solution is *Discoscan*, a super-wide-angle lens designed specifically for laser projectors. Laser beams can go anywhere in a 360° hemisphere.

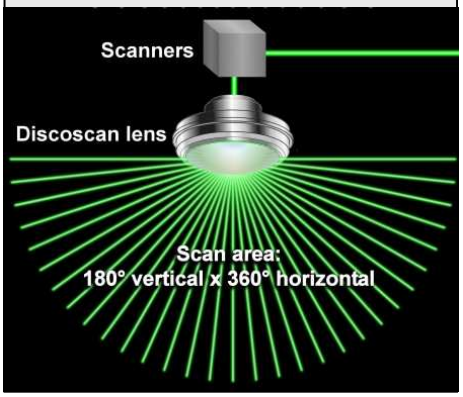
For example, put a *Discoscan*-equipped projector near the center of your lighting rig, pointed straight down at the dance floor. Beams will hit all four walls, as well as every corner of the floor. (Of course, you should always take appropriate laser safety precautions when scanning beams into an audience.)

You can even do graphics with *Discoscan*, as shown in the photo. Imagine the name of your disco or the evening's DJ, projected on the floor along with an array of beams!

Technical specifications

Weight: 12 ounces
Height: 2 inches; Diameter: 3.5 inches
Distance, mount to rear element: 1.25"
Distance, mount to front element: .75"

The *Discoscan* lens enlarges both the scan angle and the size (divergence) of the laser beam. This means that beams and graphics will be somewhat "fatter". But this generally improves safety as well.



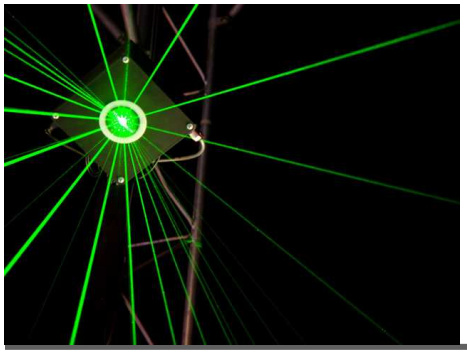
Patented, award-winning technology

The technology behind *Discoscan*, originally developed by AVI, has won two U.S. and International Patents, as well as two ILDA Awards for Technical Excellence. This same technology is used in major planetariums around the world. Pangolin has now made this impressive effect available to projector manufacturers who want to give their clients something extra.

How to use Discoscan

Discoscan is for OEM manufacturers. A laser projector needs to be modified or designed specifically to use the *Discoscan* lens. The laser beam going to the projector can be direct or can be fiber-fed. The galvanometer scanners will need to be close to the *Discoscan's* entrance surface.

Discoscan works with any type of laser -- single color or full-spectrum RGB, and there is no known power handling limitation with the *Discoscan* lens.



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