

A Delta Associate Company

SATELLITE MODULAR LASER SYSTEM



www.digitalprojection.com

The Visionaries' Choice



SMALL PROJECTION HEADS

SATELLITE RGB LASER LIGHT SOURCE

WUXGA RESOLUTION

4K RESOLUTION

8K RESOLUTION

40,000 LUMEN

4K - HFR MULTIVIEW







SATELLITE MODULAR LASER SYSTEM The simple building blocks for complex installations

The projector "Head" is fundamentally compact, quiet, light-weight and consumes very little power. This offers huge benefits at every stage of a system design, from transportation and installation to serviceability and lifespan. By separating the projection "Head" from the light source and linking the two by robust and flexible fibre-optic cables up to 100m long, we offer the installer many more options, particularly where space and access are restricted. Compare the installation and rigging of "Heads" weighing in at between 10kg and 35kg, with that of more traditional integrated projectors that can weigh as much as 150kg!





A NEW APPROACH TO PROJECTION Separate Projection heads with a modular light source

The projector market is now widely converted to solid-state illumination. Most projectors are now "Lasers", but in the majority of cases this means that blue lasers are used to stimulate phosphor, which in turn emits broad spectrum light. This has great benefits over traditional lamps in terms of life, stability and reliability, and some amazing Laser Phosphor projectors are now available.

In the Large Venue space, as Laser Phosphor projectors get brighter, they are inevitably becoming larger, heavier, and more power hungry; factors which together can create challenges for many installations and applications. Laser Phosphor technology has transformed the projector market and will continue to be a cost effective solution for many applications, however we should consider what other approaches can complement and perhaps in the longer term, replace it.

In parallel with the evolution of Laser Phosphor illumination, Digital Projection has been exploring direct RGB Laser Illumination, which offers the same benefits as Laser Phosphor in terms of life and stability, but adds truly amazing colour and contrast. In addition to the onscreen benefits that RGB laser illumination offers, the nature of the emitted light from these direct lasers facilitates their efficient coupling into fibre optic cables.

This fundamental characteristic of direct RGB Lasers is the basis of our new approach: separating the light source, with its associated power and thermal management, to a remote location, thus enabling a small, compact projection "Head" that only contains the minimal optical and video processing.

We call our new approach, Satellite MLS. Satellite MLS offers a small number of simple building blocks that allow users to address a wide range of applications, from single projector installs to complex, multi-channel domes, caves and simulators.

Our novel approach to the design, coupled to the rapid evolution of cost effective RGB Lasers, will enable us to offer all of these benefits at a cost effective price point. Where RGB laser illumination used to be the

preserve of only very high end applications, the Digital Projection Satellite MLS system will make this technology accessible to the wider AV market.



"SATELLITE offers a small number of simple building blocks that allows users to address a wide range of applications, from single projector installs to complex, multi-projection domes, caves and simulators."

10,000 Lumen SATELLITE Modular Laser Source

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SATELLITE

Digital Projection

Projection Head

3.300 Lumens

Fibre (up to 100m)

Projection Head

3.300 Lumens

Projection Head

3.300 Lumens

FEED MULTIPLE PROJECTION **HEADS FROM 1 X MODULE**



30,000 Lumen

SATELLITE Modular Laser Sources

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3 x 10,000

ONE - TO - MANY RELATIONSHIP

one light source module - multiple projection heads

MANY - TO - ONE RELATIONSHIP multiple light source modules - one projection head

Projection Head

30.000 Lumens

FEED ONE PROJECTION **HEAD FROM MULTIPLE** MODULES

light modules can be combined projection "Head", resulting in a projector would mean finding such a product.





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