

DIGITAL **PROJECTION**

A Delta Associate Company

M-VISION LASER 21000-WU

RED LASER



**THE NEW 21,000 LUMEN M-VISION LASER.
MORE OF EVERYTHING.**



ColorBoost
+ RED Laser



IP60 Sealed
Optics



SmartStack
System



MultiAxis
Orientation



5 Year / 20,000
hour Warranty



Projector Control
Software

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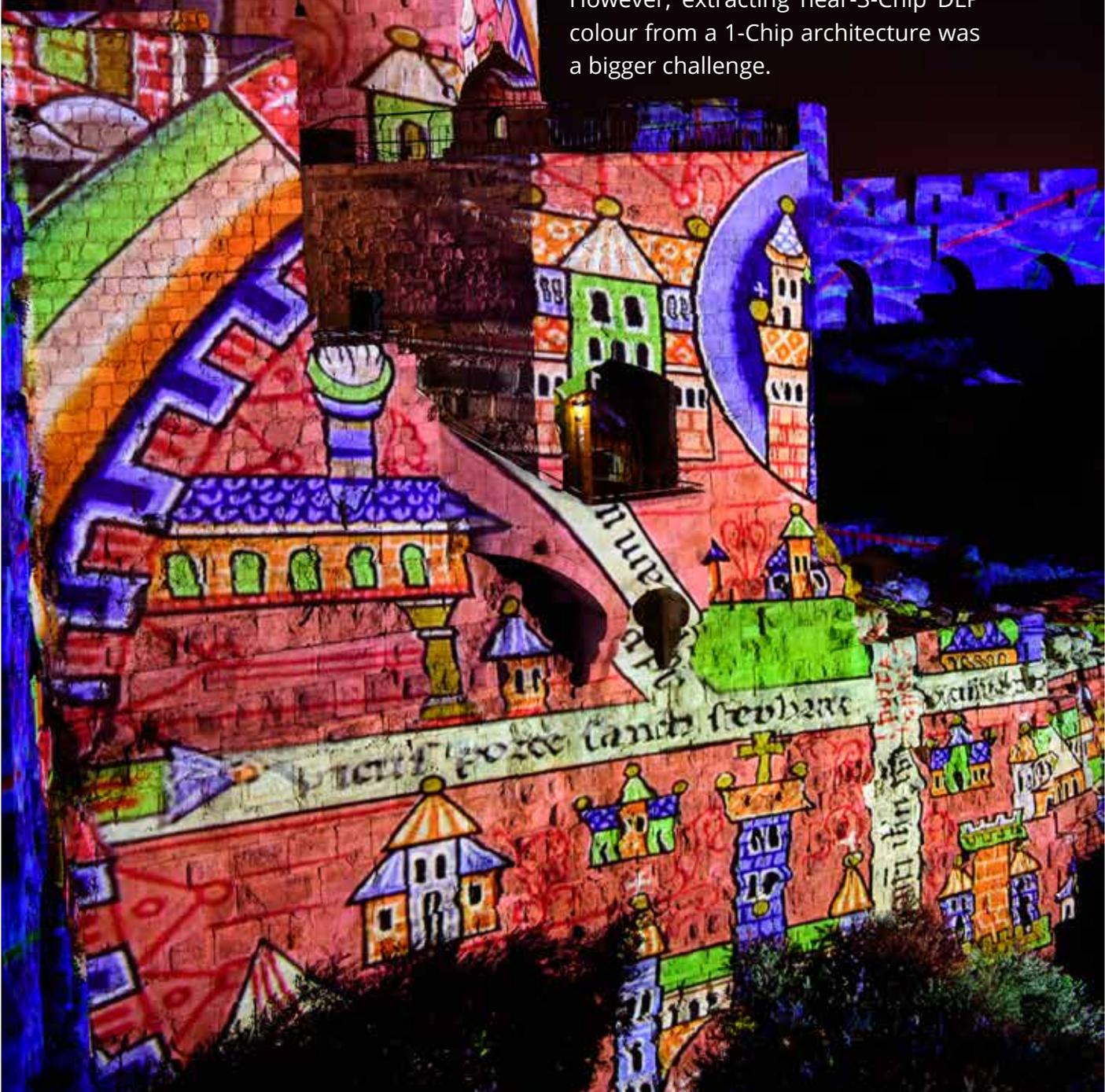
The Visionaries Choice

M-VISION Laser 21000-WU – 21,000 Lumens Maintenance-Free Lumens with ColorBoost + Red Laser

In 2017, Digital Projection launched the M-Vision Laser 18K and with it, the projection storybook was rewritten. With 18,000 lumens from a 1-Chip DLP design, never before had such a price performance balance been achieved, but our engineering team still weren't happy...

Introducing the new M-Vision Laser 21000: more lumens, more colour, more longevity and more value.

As pioneers and market leaders in Laser Phosphor light sources, achieving 21,000 Lumens from a 1-Chip DLP Projector was a natural progression by utilising an evolution of our already proven light engine. However, extracting near-3-Chip DLP colour from a 1-Chip architecture was a bigger challenge.





M-VISION Laser 21000 WU
21,000 Lumens - WUXGA Resolution
18,000:1 Dynamic Contrast Ratio
WUXGA Resolution

Key Features



COLORBOOST+Red Laser

The use of the Red Lasers, along with a specially designed colour wheel enable projectors that feature this technology to produce more vivid, saturated and life-like images than was previously thought possible on single-chip DLP projectors. The resulting colour gamut guarantees the projector will achieve at least the REC709 standard.



SEALED OPTICS - NO FILTERS

The optical system, from the laser light source to lens is completely sealed and is 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 with no replacement or cleaning of filters.



SMART-STACK SYSTEM

The intuitive stacking mechanisms means that M-Vision Laser projectors can be lock-stacked without any additional rigging frames or expense.



The ultimate in Power & Colour Accuracy in a single chip projector

The lamp-free M-Vision 21000 is designed around our new proprietary **Colorboost+Red Laser** technology and is the first of a new generation of projectors from Digital Projection.

Historically, increasing the brightness of a 1-Chip projector meant sacrificing colour saturation. We felt this was an unnecessary trade-off and set about overcoming this shortcoming. **Colorboost+Red Laser** has removed this compromise: you can now enjoy the most realistic and saturated colours at previously unimaginable luminance levels.

Such power and accuracy, combined with all-new intelligent processing brings the overall performance ever closer to that of a 3-Chip DLP projector – at a much more affordable price.





Packed with features for critical applications

The M-Vision Laser boasts advanced **Constant Brightness control** which enables light output to be maintained at a pre-set level. The lower the brightness setting the longer the level is maintained.

Venues contending with ambient light, as well as applications needing a powerful yet budget-conscious large-format imagery solution without sacrificing on colour accuracy will directly benefit from the M-Vision 21000 class leading light output, contrast ratio and colourimetry.

Perfectly suited to all applications where high brightness is required, no feature has been overlooked. DisplayPort accepts frame rates up to 60 Hz and HDMI 1.4b for Side by Side, Frame Packing & Top Bottom 3D formats. Motorised shift, zoom and focus across the whole lens range offers superb flexibility and ease of setup. This projector is not a class leader – it is in a class of its own.

Key Features



MULTIAXIS ORIENTATION

For maximum flexibility, the M-Vision Laser can be operated in both Portrait and Landscape mode, pointing up and down and every angle in between



5 YEAR WARRANTY

Due to the proven reliability and long-term performance of our laser projectors, Digital Projection provides a full 5 years / 20,000 hours warranty.



PROJECTOR CONTROL SOFTWARE

Ideal for use in large installations or where projectors are in multiple locations in a building, the software can dramatically reduce the time required for set up and configuration – all from a single network enabled PC.



Introducing 100% Sealed Optics

Much like its bigger brother, the TITAN Laser, the new M-Vision Laser 21000 features IP60-rated sealed optics. This revolutionary new design means that the optical components within the projector are 100% protected from the outside world, from light source to lens. Liquid cooling and radiators are used to remove energy to the exterior environment allowing the complete optical system to be comprehensively protected against all types of airborne ingress that would otherwise cause image degradation over time. The obvious benefit of IP60 sealed optics is that light output and colour performance will not decay over time, but there are other benefits, too: The filterless design of the M-Vision Laser 21000 minimises maintenance time and cost, thus increasing system uptime.

Projector



Sealed Optical Engine



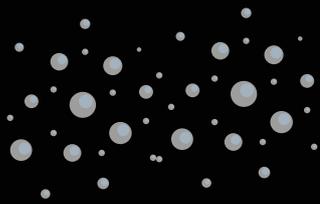
Sealed Optics Example

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.

Dust Test Chamber



Chamber exterior



Rigorous testing is undertaken in our specialised Dust Test Chamber (DTC).

We simulate and prove the correlation between dust ingress and brightness decay over long periods of operation and measure the exponential improvement that comes from sealing the optics to IP60 standards. Our DTC is also temperature controlled, allowing us to simulate the widest variety of environments possible

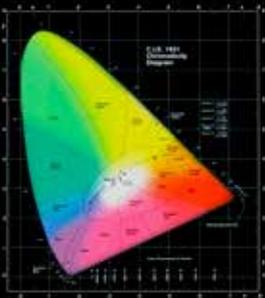
Introducing



COLORBOOST+ RED LASER



The M-Vision Laser 21000 WU and E-Vision Laser 13000 WU now boast built-in colour boost technology along with **Red Lasers** to bring the most realistic and saturated colours to this 1-Chip DLP Projector. Intelligent processing brings the colour performance ever closer to that of a 3-Chip DLP projector.



The use of the **Red Lasers**, along with a specially designed colour wheel enable projectors with this technology to produce more vivid, saturated and life-like images than was previously possible on single-chip DLP projectors.

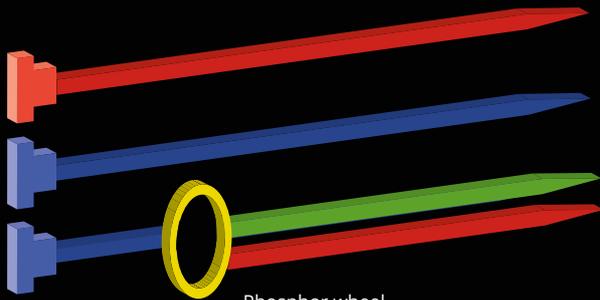
The resulting colour gamut guarantees the projector will achieve at least the REC709 standard.

- * ACCURATE COLOUR REPRODUCTION
- * NO LOSS OF BRIGHTNESS
- * MORE SATURATED COLOURS
- * MORE LIFELIKE SKIN TONES
- * BLUE AND RED DIODES
- * BRIGHT - UP TO 21000 LUMENS

PROJECTOR WITH
COLORBOOST+ RED LASER

Red Laser Diode

Blue Laser Diodes



Phosphor wheel

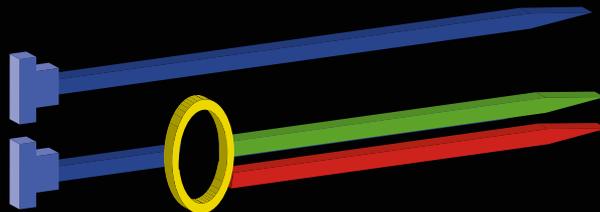


COLORBOOST+
RED LASER



PROJECTOR WITHOUT
COLORBOOST+ RED LASER

Blue Laser Diodes



M-Vision Laser - Key Features

	M-Vision Laser 21000-WU	M-Vision Laser 18K
Brightness (Lumens)	21,000	18,000
Resolution	WUXGA	WUXGA
ColorBoost + Red Laser	✓	-
Technology	1 Chip DLP	1 Chip DLP
Contrast Ratio	10,000:1	10,000:1
3D	✓	✓
Warp / Blend	✓	✓
Lens Options	5 x Zoom	5 x Zoom
Lens range	0.84:1 - 7.00:1	0.84:1 - 7.00:1
Weight (projector only)	52 kg	49 kg
Power Requirements	110-240VAC	110-240VAC
Dimensions (mm)	L: 748.00 W: 520.00 H: 248.00	L: 695.00 W: 530.00 H: 248.00



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