



**PHOTON**

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**Meet the mæstro.**

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The all-in-one media server  
for infinite possibilities.

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## KEY FEATURES

Photon's **intuitive Timeline** makes it easy to edit, compose or playback multiple layers of video.

An **uncompressed playback** architecture allows each server to display media content up to **64 megapixels at 30 fps**.

Features a **professional, real-time color grading tool** that will help you get the desired look quickly without re-rendering any content.

**An integrated, flexible, node-based effects and particle system** allows you to design the generative real-time video content the way you want.

Used in combination with ALBION, cameras and optical markers, PHOTON can achieve **volumetric mapping and automatic video projector alignment and blending**.

**Extract 3D positioning data** about **any kind of moving target** such as screens and distribute it to other devices such as automation equipment through the widely supported PosiStageNet protocol.

PHOTON's 3D Scene module allows the creation of **projection studios**, full **3D project simulations**, including Oculus Rift support for **immersive presentations**.

Handle uncompressed graphics as high as **16K x 16K** through **auto-splitting**, our transparent media segmentation and routing feature.

PHOTON's transparent networking architecture facilitate **live backups** and **seamless media server replacement**.

Fluent in **MIDI, ArtNet, TCP and UDP**, PHOTON has been designed to foster **synergies with other products** such as controllers, sequencers, lighting equipment and audio processors.

# TECHNICAL SPECIFICATIONS

|                         |   |
|-------------------------|---|
| <b>Outputs</b>          | 2 x 4K model (4x 2K   3x 3K)<br>4 x 4K model (8x 2K   6x 3K)  |
| <b>Inputs</b>           | 41 x 3G-SDI<br>4 x 3G-SDI   1x quad-link 4K SDI<br>8 x 3G-SDI   2x quad-link 4K SDI<br>1 x 12G - SDI  |
| <b>Storage capacity</b> | 7 TB (8 x 1 TB SSD in RAID 5)<br>(3.5TB, 7TB, 15TB, 31TB, 63TB storage available)   |
| <b>Bandwidth</b>        | 8 x 22 x SSD   RAID configuration<br>SSD models: 960TB / 1920TB / 3840TB<br>Default: 6.1TB   8 x 960TB SSD<br>Max: 73.3TB   22 x 3840TB SSD |
| <b>Network</b>          | 2 x 10 Gbps<br>2 x 1 Gbps Ethernet connectors   |

## Chassis

|                  |   |
|------------------|---|
| <b>Unit size</b> | Width: 434 mm<br>Height: 90 mm<br>Depth: 754 mm |
| <b>Case</b>      | 2U Rackmount                                    |
| <b>Weight</b>    | 22.2 kg   |

## Electrical & Operating

|   |  |
|---|--|
| <b>Line Voltage</b>                         | 100-240V AC Auto Switching<br>50-60Hz      |
| <b>Power Consumption</b>                    | 500W                                       |
| <b>Heat</b>                                 | Max 1700 BTU/h                             |
| <b>Operating Temperature &amp; Humidity</b> | 10°C to 35°C<br>10% ~ 90% (non-condensing) |

**Backed by 14 years of R&D and field experience, PHOTON is way more than just a media server.**

**Our flagship product combines cutting-edge computer vision and real-time media treatment and delivery.**

**Featuring complete volumetric mapping and tracking, real-time automatic projector and camera calibration, uncompressed playback and treatment of up to 16K by 16K video media, our product combines all the technological advancements made in our labs. Developed and tested on large scale installations and world tours.**

**PHOTON is the future of live video entertainment.**



**VYV.CA  
TECHNOLOGY  
IS BEAUTIFUL**