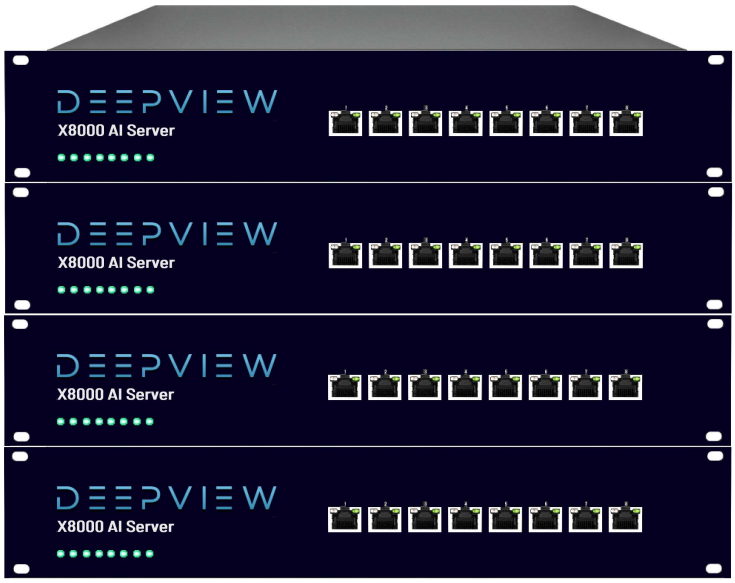
DEEPVIEW

X8000 AI Server



The X8000 AI Server is a rack-mounted system designed to run high-throughput machine vision workloads across up to 8 independent production lines.Featuring 8 independently addressable Nvidia Blackwell GPUs, each capable of running its own instance of Deepview AI training and production vision software. The system is built with the performance and bandwidth neededfor future upgrades, including training and fine-tuning Frontier AI models across 1–8 GPUs.

Features

- **64-Camera Support**
  Scalable to 8 GPUs with 8 cameras each (GigE)
- **8-Channel Vision System**
  Run up to 8 production lines in parallel using DeepView's included inspection software
- **Independent GPU Operation**
  Each GPU is addressable as a separate node, with full isolation for line-specific workloads
- **Fast Training Speed**
  1000 images trained in 5 minutes
- **Reference Model Support**
  System accommodates 1 TB of unified RAM for model + data during training

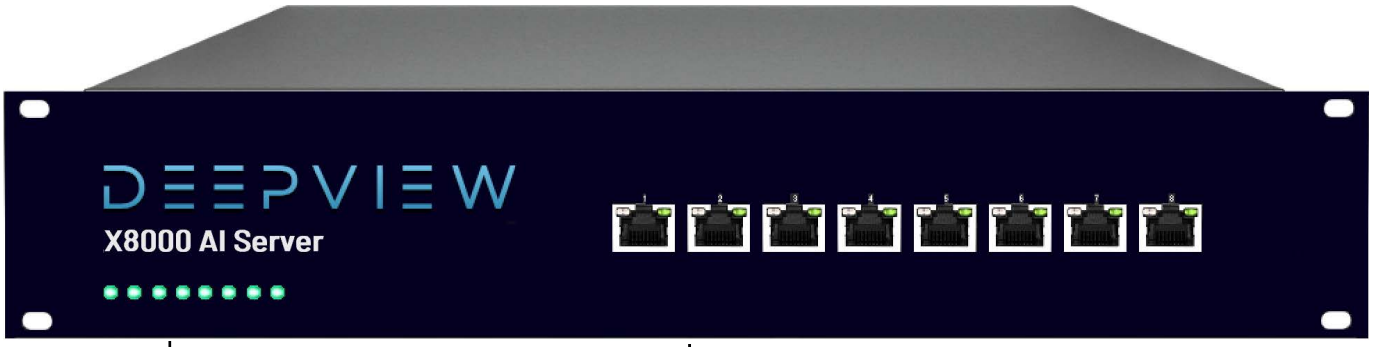
Technical Specs

System Specs

Processor	8x GB10 (48,000 GPU Cores)
GPU	8x Nvidia Blackwell Architechture
CPU/GPU RAM	1 TB total (128 GB per GPU)
Camera Inputs	Up to 64x GigE cameras (8 per GPU)
Mass Storage	64 TB SSD
Connectivity	100Gb Ethernet across all 8 GPUs
Training Speed	1000 images in 5 minutes
Training Efficiency	400 images for production-quality results
Model Compatibility	Reference AI model support for future fine-tuning

NVIDIA Inception Program

Server Configuration



8x health monitoring

8x independently addressable systems

- 10 Gigabit Ethernet
- 160 Arm CPU Cores (20 each)
- 48,000 GPU Cores (6,000 each)
- 1TB RAM (128 GB each)
- Train using 1-8 GPUs