

SimVIS

Simulator Visual Systems

TruVIEW 2026: The Complete Turnkey Visual System



TruVIEW 2026 Visual System — Technical Overview

System Purpose and Philosophy

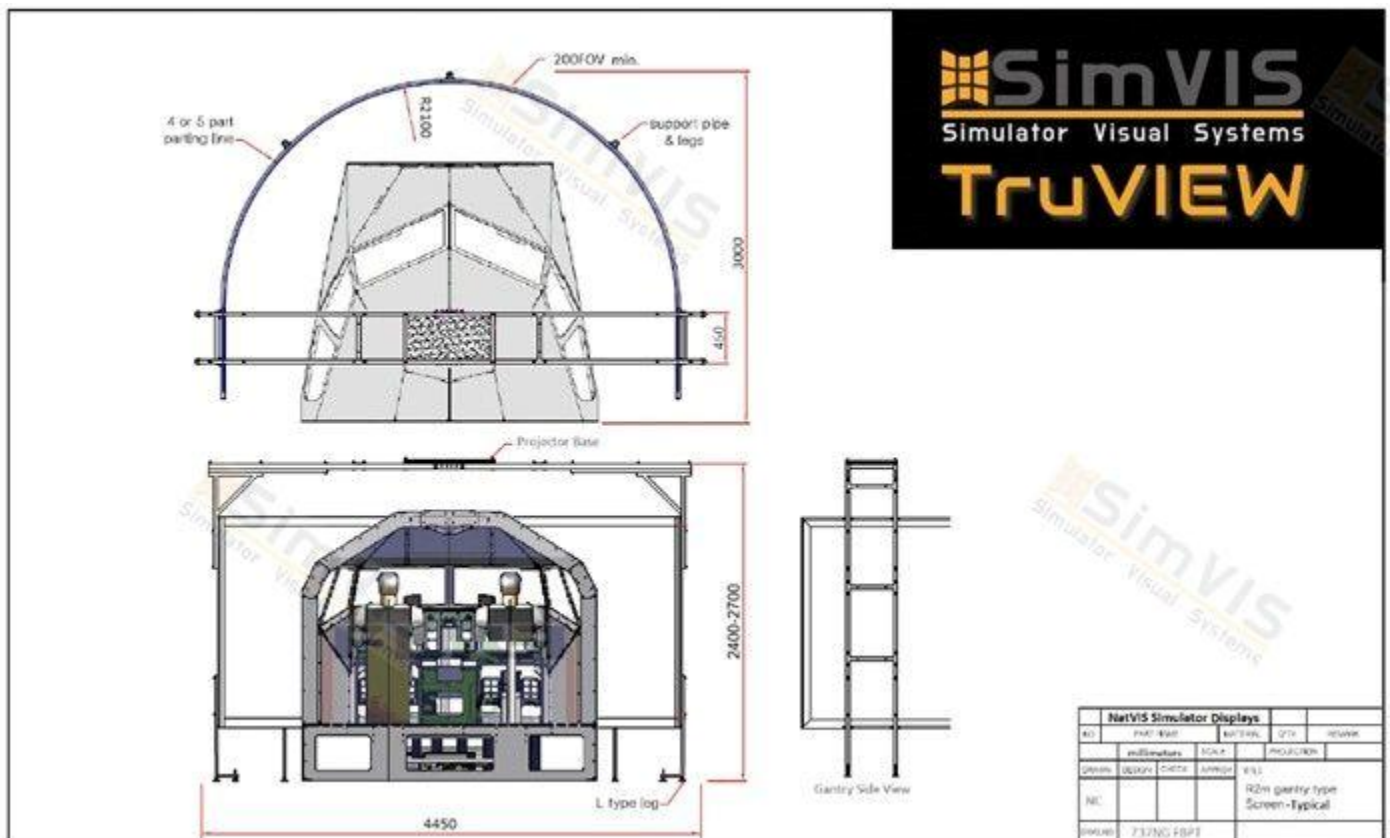
The TruVIEW 2026 package is designed as a **turnkey, professional-grade** out-the-window visual system for fixed-base and FNPT II-level simulators. The emphasis is on:

- **High realism** through wide-FOV curved screens and precise geometry correction
- **Low operational overhead** via single-IG architecture
- **Predictable installation outcomes** through standardized hardware, software, and on-site commissioning
- **Longevity and reliability** with laser-based projection options
- **All Hardware and Equipment**, software and installation included on-site.

Since 2010, SimVIS positions TruVIEW as a “first-time-right” solution—meaning the system is engineered to minimize integration risk and ensure consistent results across installations.

TruVIEW System Package Inclusions:

1 x Screen & Gantry System (Example B737)



MaxVIEW Pro Curved Screen

- **Field of View:** 200–220 degrees
- **Height:** Typically 40–50 degrees (depending on aircraft type)
- **Construction:**
- Multi-segment Aluminium composite panels
- Seamless joints
- Matte white 1.0 Gain projection surface optimized for multi-channel blending

Benefits:

- Immersive wrap-around visuals
- Reduced distortion at peripheral angles
- Optimized for both single-IG and multi-channel setups

Integrated Projector Gantry

- Pre-aligned mounting rails
- Heavy-duty adjustable projector mounts
- Independent of walls and ceiling
- Can be relocated/repositioned

DLP Projection Technology Options.

HD or 4K-UHD DLP Projectors:

A/ 3 x HD LASER (Deluxe Tier)



- **Resolution:** 1080p
- **Brightness:** ~3600 lumens
- **Contrast:** 10,000:1
- **Light Source:** Laser, 20,000~30,000-hour lifespan

Use Case:

- Personal/Academic Training centers prioritizing long term reliability
- Cost-sensitive projects needing professional quality

B/ 3 x 4K-UHD UHP Lamp (Ultra Tier)



- **Resolution:** 3840×2160 (true UHD)
- **Brightness:** ~4000 lumens
- **Contrast:** 10,000:1
- **Light Source:** UHP lamp, 4,000~10,000-hour lifespan

Use Case:

Maximum pixel density for detailed scenery
Situations where lamp replacement is acceptable

C/ 3 x 4K-UHD LASER (Ultimate Tier)



- **Resolution:** 4K UHD
- **Brightness:** ~4000 lumens
- **Contrast:** 300,000:1
- **Light Source:** Laser, 20,000~30,000-hour lifespan

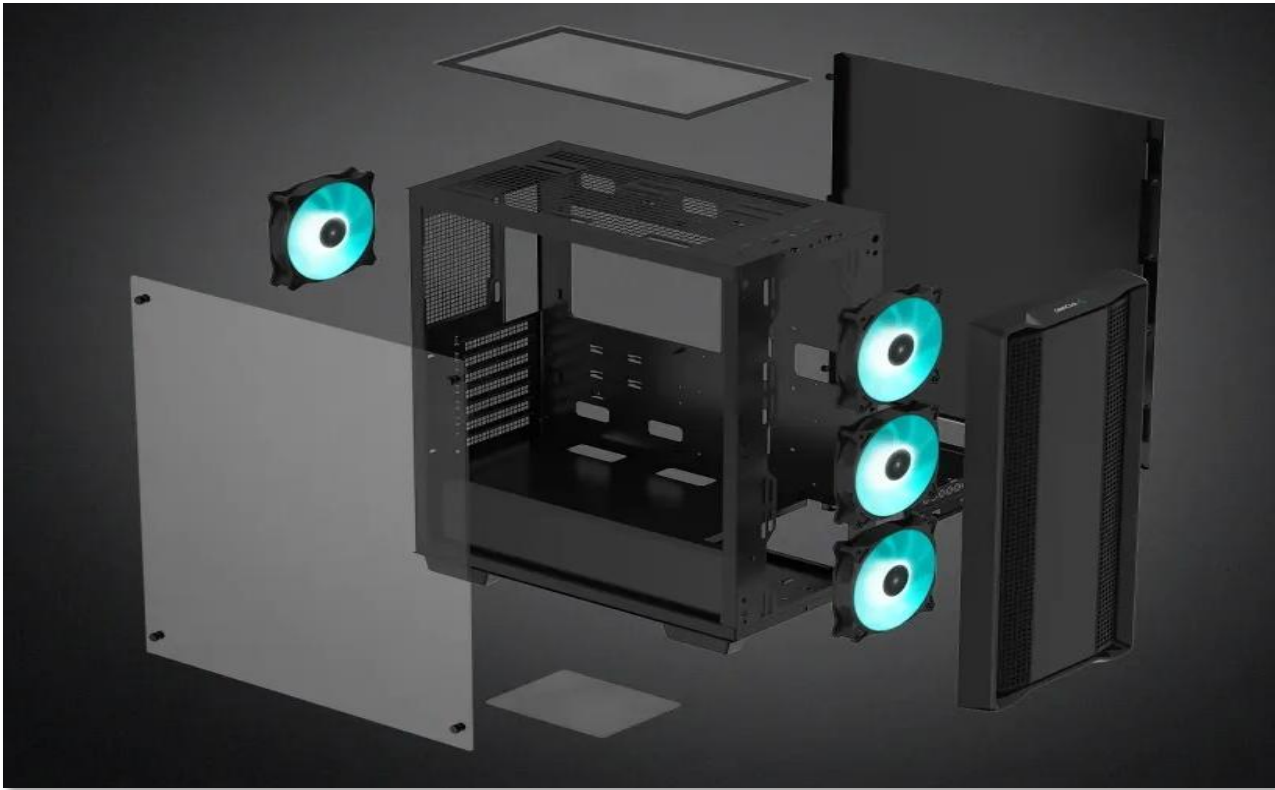
Use Case:

Premium installations
Long-term cost efficiency (no lamp changes)

Key takeaway:

Laser projection dramatically reduces maintenance and ensures consistent brightness over time, while 4K resolution significantly improves readability of distant scenery, runway markings, and horizon clarity.

1x Image Generator (IG) Computer



Single-IG Architecture.

One computer drives all three projectors.

Reduces:

- System complexity
- Synchronization issues
- Maintenance overhead

Performance Targets:

- 30-60Hz at 4K
- 60 Hz at HD

Why this matters

Traditionally, 220° visuals require synchronized IGs. TruVIEW's single-IG approach:

- Cuts Hardware and Software cost significantly
- Simplifies troubleshooting
- Ensures consistent frame pacing
- Reduces heat and power consumption

This is especially beneficial for Prepar3D and X-Plane, which historically struggle with multi-channel synchronization.

1 x Tru-View Warp & Blend Software Licence (Dongle)



Capabilities

- Geometry correction for any curved screens; Cylindrical, Cave and Domes
- Edge blending for multi-projector setups
- Colour/Brightness/Contrast matching

Advantages

- Optimized specifically for multi-frustrum applications
- Faster setup during installation
- Flexible/real-time alignment pattern
- Near Zero latency



Installation & Commissioning Included.



Included Services

- 4K HDMI Cables and 4K Adapters
- Heavy Duty Projector Mounts
- Assembly Tool Kit
- Full screen and gantry assembly
- Projector installation and alignment
- FOV geometric calculations
- Warp and Blend calibration
- IG setup and software configuration
- On-site testing and acceptance

Why this matters

Warp/blend calibration on a 220° curved screen is highly technical. Including professional installation ensures:

- Correct geometry
- Seamless blending
- Optimal brightness uniformity
- Minimal distortion at peripheral angles

This is a major differentiator—many vendors sell hardware but leave calibration to the customer.

Ideal Use Cases:

Professional Training Centers

- FNPT II / AATD-level simulators
- Airline training departments
- Flight schools with high student throughput
- ATC Training

Enthusiasts & Home Cockpit Builders

- High-end home simulators
- Builders wanting a professional-grade curved screen

Entertainment & Commercial Attractions

- Aviation experiences
- Motion-platform attractions

Competitive Advantages:

Compared to multi-IG systems

- Lower cost
- Lower heat and noise
- Easier maintenance
- Fewer synchronization artifacts

Compared to flat-panel or TV-wall setups

- True wrap-around immersion
- No bezels
- More realistic peripheral vision cues

Compared to DIY curved screens

- Professional geometry
- Durable construction
- Predictable calibration results



TRUVIEW PACKAGE INCLUSIONS:	DELUXE: HD LASER	ULTRA: 4K LAMP	ULTIMATE: 4K LASER
1/ PROFESSIONAL On-Site Installation: Screen + Gantry assembly, Projector Installation. 220FOV Tru-View Warp and Blending for seamless image.	✓	✓	✓
2/ Intel/Nvidia RTX IG Computer x 1 Included	✓	✓	✓
3/ Custom made Professional U-Screen + Integrated Projector Gantry Included: 200-220 Degree FOV MaxVIEW Pro Screen x 1	✓	✓	✓
4/ HD and 4K Projector Options: HD LASER 3600lm/10000:1 Projector x 3* *30,000hr Laser 4K-UHD 4000lm/10000:1 DLP Projector x 3* *10,000hr Lamp 4K-LASER 3700lm/10000:1 DLP Projector x 3* *30,000hr Laser	✓ 	 ✓ 	 ✓
5/ Hardware and Cables: Heavy Duty Projector Mounts x 3 HDMI Cables x 3 + DP-HDMI connectors	✓	✓	✓
6/ Tru-View Warp Software License x 1 SimVIS only uses and supplies Tru-View Warp with all our installations for a guaranteed result. SimVIS Tru-View WARP provides geometry correction and edge blending for curved screens.	✓ 	✓ 	✓
7/ Packaging/Pallet and DAP Shipping Included:	✓	✓	✓
*+ Travel/Accommodation required for 1 x technician Contact: sales@simulatorvisuals.com			

Pricing Structure

TruVIEW Package price starting from:

€25,995 / USD 29,995 (as of Jan 1, 2026)

Additional Costs:

- Travel & accommodation for 1 technician
- Local power boards/cables
- Simulator platform licenses (P3D, X-Plane, MSFS)

Optional upgrades:

- eVTOL/Rotary 5-channel systems and 360Degree ATC Tower (price on request)

50% Deposit Upon acceptance of quotation.

All Installation fees/ hardware supply/ Projector supply must be settled prior to installation.

5-Channel eVTOL/Rotary System Price on Request.

Local Power boards and extension power cables not included. Prepar3D/XP/MFS License not included (software installation included)

Prices Effective January 1st 2026.

Director: Nat Crea Ph:+61 419103304 E: sales@simulatorvisuals.com W: www.simulatorvisuals.com

