

# ATLAS™

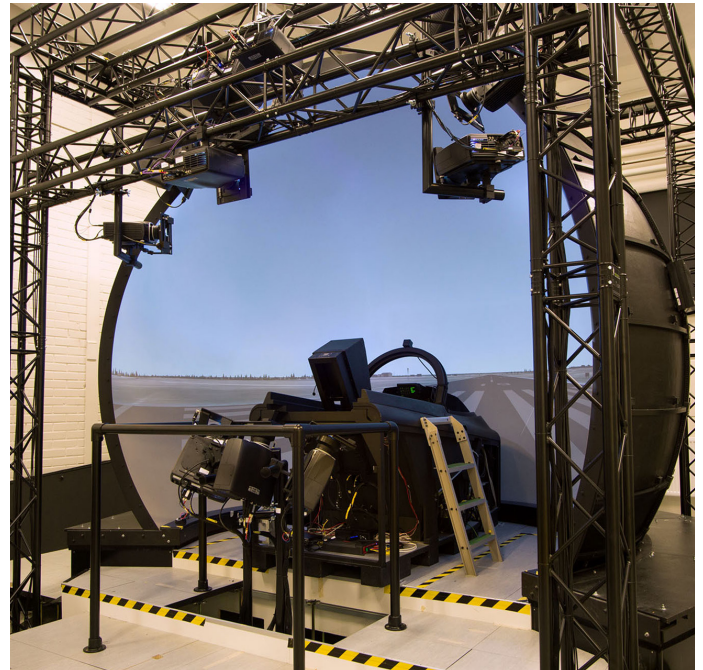
## Fixed-Wing Large FOV Dome Visual Display Systems

3D perception offers a catalog of turn-key, preconfigured Northstar™ visual display systems for different simulation applications.

The Atlas range of products are front-projected dome displays, ideal for fast-jet or turboprop aircraft. In comparison to rear projection dome options, front projection provides for optimized image contrast and uniformity, while allowing for a smaller overall system footprint.

System designs are flexible to accommodate specific program requirements and can allow for differing projector type and resolution, screen gain/contrast, and field of view. To date, Atlas systems have been delivered for the following aircraft simulators:

- Beechcraft/Textron T-6C
- Cessna Citation Mustang
- Grob G-120TP
- Leonardo M346
- Lockheed Martin F-16
- Lockheed Martin P-3
- Pilatus PC-7
- Pilatus PC-9
- Pilatus PC-12
- Saab JAS Gripen

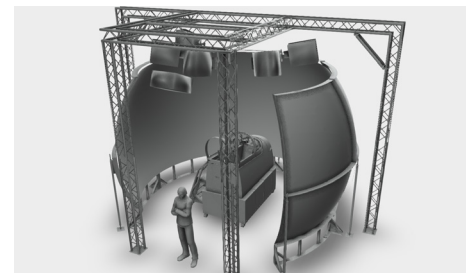


### Atlas Systems

System	Screen Radius	Approx. Dimensions			HFOV	VFOV	Resolution	Brightness	Projection - OTW & HUD		
		L	W	H					Qty	Type	Resolution
ATLAS 240	2.0 m	5 m	5 m	4 m	240°	+120°/-35°	6 arc min/OLP	11 Ft L	12	UHP Lamp	WQXGA (2560x1600)
ATLAS 270 A	2.8 m	6 m	7 m	5 m	270°	+40°/-30°	4 arc min/OLP	6 Ft L	6	UHP Lamp	WQXGA (2560x1600)
ATLAS 270 B	2.8 m	7.5 m	6 m	5 m	270°	+90°/-30°	4 arc min/OLP	12 Ft L	14	Laser or LED	WQXGA Pixel Shifted to 4K
ATLAS 360 A	3.5 m	9.5 m	7 m	6 m	360°	+155°/-40°	2 arc min/OLP	10 Ft L	12	Laser or LED	4K Pixel Shifted to 8K
ATLAS 360 B	3.5 m	9.5 m	7 m	6 m	360°	+155°/-40°	5 arc min/OLP	10 Ft L	12	Laser or LED	WQXGA Pixel Shifted to 4K

### Features

- Proven and mature 3D perception Northstar™ platform
- Precision image autocalibration via Aurora™ sensor-instrumented screen
- Dynamic Optical Blenders™ for optimal image at any time of day
- Scenario management for time of day, NVG, eyepoint locations, etc.
- IG independent image processing and autocalibration architecture
- Centralized system control including full projection control
- Integrated maintenance platform and light closeout options
- Adaptable configurations to meet program requirements



Specifications subject to change without notice | Revised Nov 2019