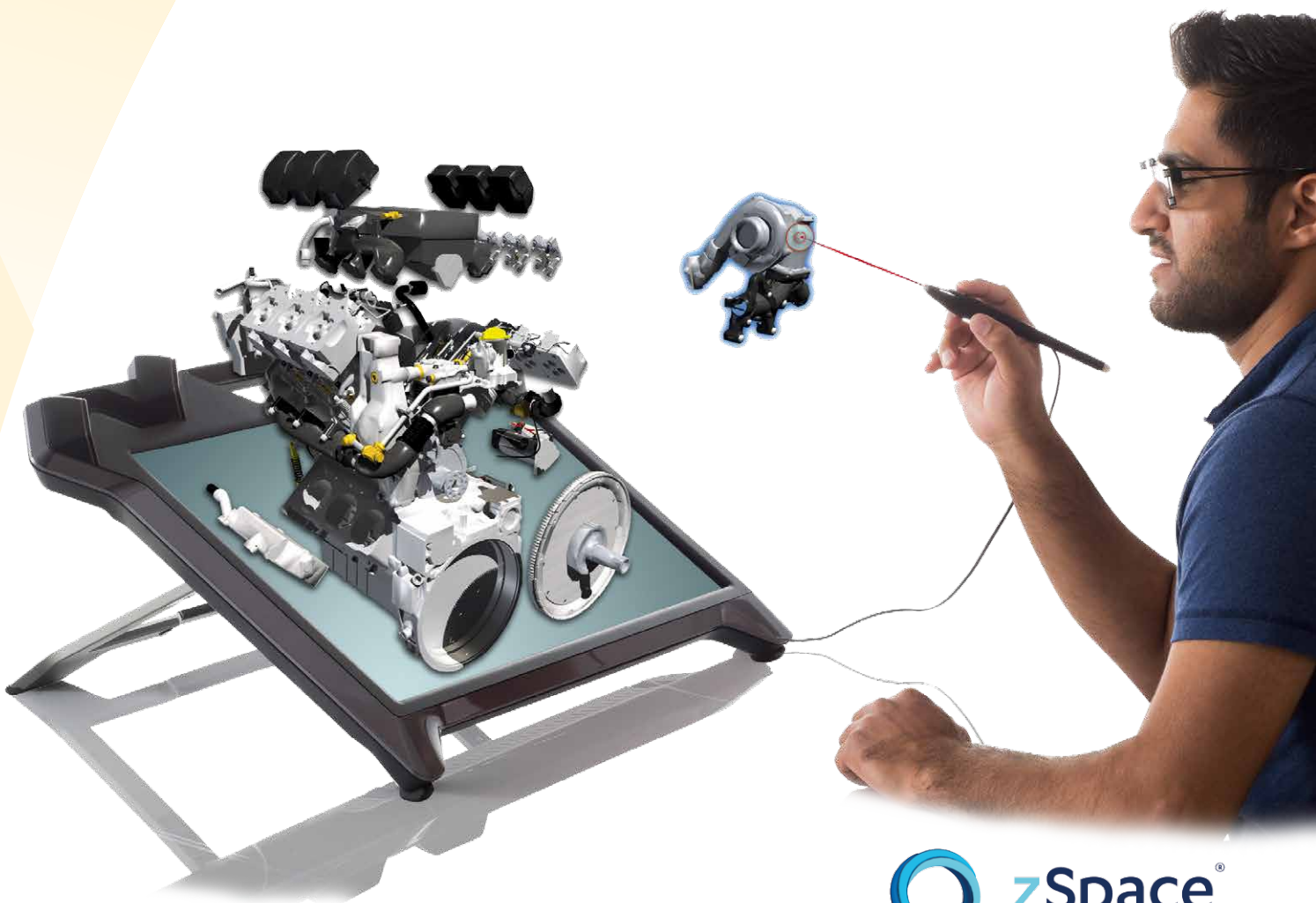


## zSpace Monitor - Virtual Holography System



- 24"(ca.60 cm) – Full-HD 3D
- Circular Polarization
- Optical User Tracking
- O6DOF Stylus with integrated infrared LED
- VRPN compatible
- SDK for application developer

# zSpace-Monitor

## A virtual-holographic Experience

Revolutionary platform enables highly realistic visualization and natural 3D interaction experience.

### Revolutionary Hardware-Platform

It's revolutionary platform, zSpace® provides a highly realistic 3D visualization experience that enables users to work with objects in a way not previously possible in a traditional 2D computing environment. Using a stereoscopic display, trackable eyewear, a new type of direct interaction stylus and an innovative software platform, objects in zSpace appear "solid" in open space, with full color and high resolution, and can be directly manipulated as if they were real physical objects. This capability gives users a natural way to navigate, grab, zoom and explore environments as never before possible.

### Fully Virtual, Holography System

zSpace exists to unleash the full potential of human creativity. By blending the physical world with a sensory-rich virtual world that people can naturally and significantly advance the way we solve problems, learn, teach, communicate and create our world. zSpace provides an immersive, interactive 3D environment for professionals who are working with or presenting high resolution 3D real-time data.



### High-Definition Stereoscopic Display

zSpace is a revolutionary 24" tablet display with passive circular 120Hz stereo 3D polarization technology capable displaying flicker-free Full-HD Resolution without Shutter-glasses. It includes an integrated optical tracking system for the users view and a 6DOF Stylus for intuitively manipulation and navigation.

### Market Focus

CAD/CAM/CAE

Data Visualization

Medical & Scientific

Digital Arts & VFX

Gaming & Entertainment

Education, Training & Simulation

Architecture, Engineering & Geospatial

### Supported Applications

AUTODESK. VRED / MAYA

CEI EnLite EnSigh / EnLiten

3S DASSAULT SYSTEMES CATIA / 3DVIA Composer

→|e DRAWINGS eDrawings

LUMISCAPHE real-time 3D solutions Patchwork3D

Mechdyne ENABLING DISCOVERY trackd

SIEMENS Teamcenter Visualization

WORLD VIZ Vizard

eon reality Creator / Studio

PyMOL PayMol

and much more

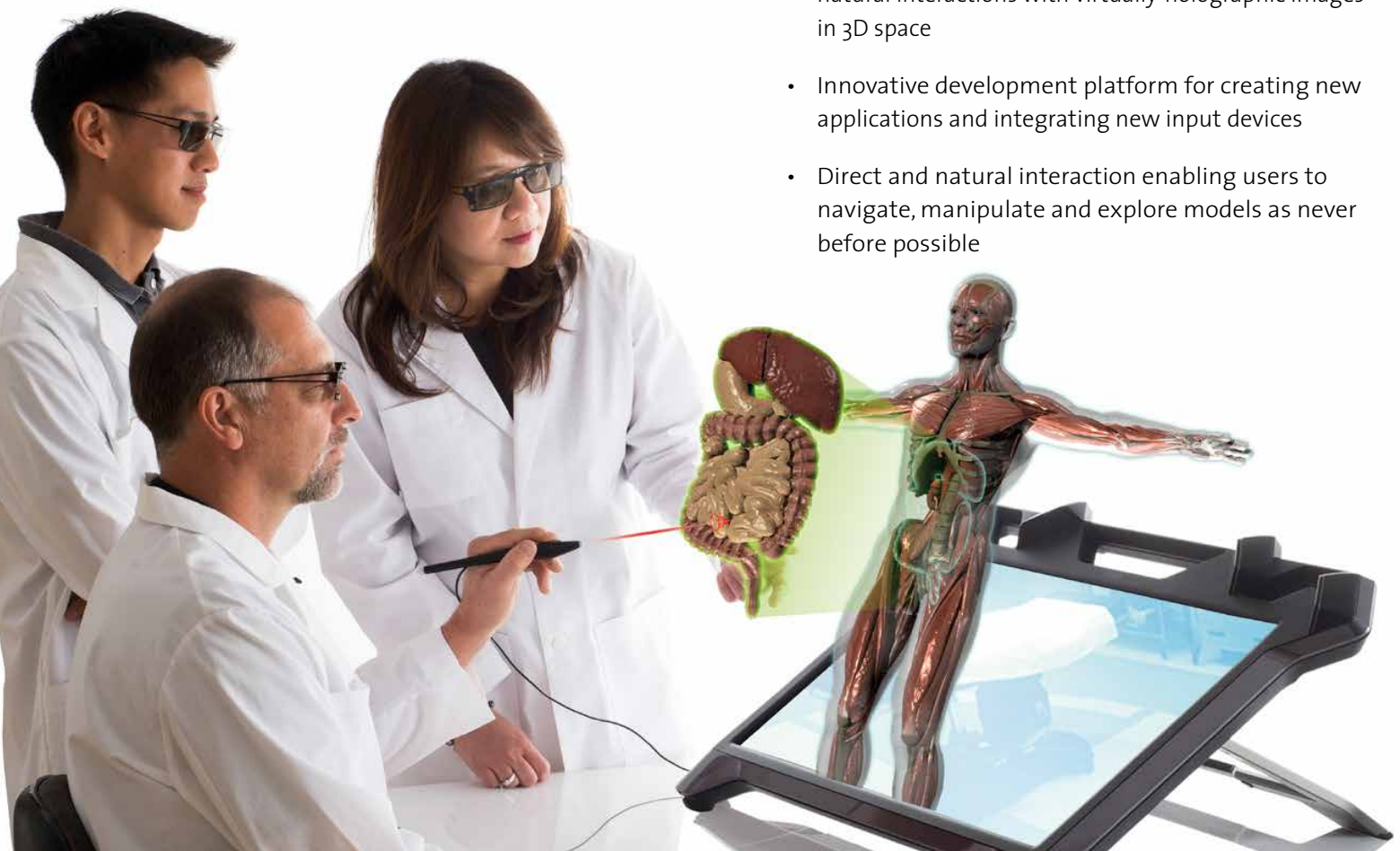


## Product Description

zSpace provides an immersive environment for professionals in many industries driven by the desire to create and visualize objects with realism in stereoscopic 3D. Designed for individuals seeking the most responsive tools that go beyond conventional displays and input devices, zSpace allows users to complete complex tasks in a natural and intuitive manner.

## Features and Benefits

- High-definition stereoscopic display with full images rendered for each eye for ultra-high realism
- Lightweight passive trackable eyewear for viewing comfort
- Full motion parallax, with sensors tracking the viewing angle, enabling the user to look around objects and visualize multiple perspectives with simple head movements
- Uniquely designed stylus for managing direct and natural interactions with virtually-holographic images in 3D space
- Innovative development platform for creating new applications and integrating new input devices
- Direct and natural interaction enabling users to navigate, manipulate and explore models as never before possible





## ZSPACE MONITOR SPECIFICATIONS

	zSpace
Display Size	23,6 inch (diagonal: ca. 60cm)
Resolution	1.920 x 1.080 (FULL HD) in 2D and 3D
3D Format	120 Hz page-flipping/frame sequential
3D Technology	Electronic Polarized Screen
Optical Tracking	IR based - VRPN compatible
Range of Tracking	~ 80cm
Stylus	Pen Style (6 Degrees-of-Freedom/Gyro) Vibro Sensor LED (2color)
Display colors	16.7 M
Brightness	typical 2D ~ 500 cd/m2 typical 3D ~ 500 cd/m2
Contrast	1000:1 for 2D and 100:1 for 3D
Viewing Angle	~170° H/160° V (only 2D)
Response Time	Full off to Full on rise time <= 1.35ms Full off to Full off fall time <= 4.3ms
Aspect Ratio	16:9 wide
Operating Environment	Temp: 10-40°C Humidity: 10-80%NC
Connectors	DVI Dual Link, Display Port (1.2), Type A USB (4 Port), Type B USB (1 Port) Stylus, DC Power (12V)
Dimensions (WxHxD)   Unit packed	644 x 417 x 70 mm (242 mm with Stand)   876 x 546 x 182mm
Weight   Unit packed	8,5kg   12.7kg
VESA	100mm x 100mm
Stand	30°, 45°, 60°, Variable with VESA
Scope of Delivery	1 pair polarization glasses (circular), Stylus Pen, Quick Installation Guide, DVI cable, power cable, USB cable, CD-ROM: user manual, driver, Experience Demo, SDK, VRPN Server
Power Supply System	90-254 VAC, external, 12V 72Watt max.
Safety & Regulations	FCC B, WEEE, CE, ROHS, VCCI, CB, UL, C-Tick, PSE, Spring
Warranty	12 Months Manufacturer Warranty

## About zSpace, Inc.

Infinite Z is a technology provider that enables virtual-holographic 3D imagery to bring designs to life.

The company's mission is to transform human interactions with today's computing environment into an incredibly lifelike, interactive and immersive experience.

Its flagship product, the zSpace® monitor, provides a highly realistic 3D visualization experience that enables designers and engineers to work with products or characters in a way not previously possible in a traditional 2D display and mouse.

For creative professionals involved in the digital/product design, scientific, medical, GIS/geospatial and government markets, zSpace is a completely new model for experiencing and communicating design ideas and significantly advances the way people solve problems, learn, teach and communicate in today's world. zSpace helps unleash the full potential of creativity by blending our physical world with a sensory-rich virtual environment.

The richness of the zSpace platform fully engages the senses, providing breath-taking, interactive graphics and an unsurpassed, highly visceral experience.



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