

# 5DT Head Mounted Display Series

*The 5DT Head Mounted Display Series offers the user affordable quality, high resolution, a crisp image and superior sound quality packaged in a sleek, comfortable and extremely light headmount design.*

The series also includes Virtual Binoculars, Virtual Laser Range Finders, Virtual Night Vision Goggles and Monocular Displays.



## Features

- High 40° Field-of-View (FOV)
- Vibrant OLED Display Technology
- 800x600 Display Resolution
- Adjustable Top/Back Ratchets
- Lightweight
- Cable Organizer
- Mounting Base for Head Trackers
- SVGA Input
- Extreme Comfort
- User Configurable Immersivity

## Options

- Medium (26°) or High (40°) Field-of-View Options
- 2D and 3D Versions
- Virtual Binoculars Options
- Virtual Laser Range Finder [LRF] Options
- Virtual Night Vision Goggles [NVG] Options
- High FOV (45°) circular image form factor design available for realistic Binoculars, LRF and NVG applications

## 5DT HMD Specifications

	5DT HMD 800-26	5DT HMD 800-40
Resolution	800x600 per display	800x600 per display
Field-of-View	26° Diagonal	40° Diagonal
Display Technology	LCOS	OLED
Stereo Version	2D & 3D Versions Available	3D Version Only
Stereo Mode	Frame Sequential Stereo	Frame Sequential Stereo
Weight	Approximately 600g	Approximately 600g
Headphones	Sennheiser HD25 (16Hz - 22kHz)	Sennheiser HD25 (16Hz - 22kHz)

## 5DT Virtual Binoculars Series Specifications

	5DT VB 800-26	5DT VB 800-45
Resolution	800x600 per display	800x600 per display (effective 600x600 circular)
Field-of-View	26° Diagonal	45° Circular
Image Form Factor	Rectangular (4:3 Aspect Ratio)	Circular
Display Technology	LCOS	OLED
Stereo Version	2D & 3D Versions Available	3D Version Only
Stereo Mode	Frame Sequential Stereo	Frame Sequential Stereo
Weight	Approximately 600g	Approximately 1000g
Shell	Virtual Binoculars Shell	Real Binoculars Shell



### 5DT Virtual Binoculars 800-26

5DT offers its Virtual Binoculars in an economical 26° FOV version with 5DT's generic virtual binoculars shell (pictured on left). These Virtual Binoculars are available in both 2D and 3D versions.

The Virtual Binoculars feature:

- ☒ 26° FOV
- ☒ 800x600 resolution
- ☒ Frame Sequential Stereo for 3D models
- ☒ LCOS display technology
- ☒ Light weight - approximately 600g
- ☒ Space for internal tracker mounting

### 5DT Virtual Binoculars 800-45

5DT also offers a Virtual Binoculars option that uses a real binoculars shell. The Inter-Pupillary Distance adjustment of the actual binoculars is maintained with an automatic display levelling system. System integrators can now develop applications with equipment that looks and feels like the real thing. These Virtual Binoculars feature:

- ☒ 45° FOV Circular image form factor
- ☒ Effective 600x600 (Circular) resolution
- ☒ Vibrant OLED display technology
- ☒ Stereo displays



### 5DT Virtual Laser Range Finder and Virtual Night Vision Goggles

5DT also offers Virtual Laser Range Finder [LRF] and Virtual Night Vision Goggles [NVG] options.

The Virtual LRF contains buttons interfaced with USB to emulate standard joystick buttons.

5DT can integrate its optics and button controller into an existing commercial LRF or NVG, or provide a generic solution when necessary.

5DT can also provide state-of-the-art software turnkey software solutions for LRF and NVG Training.

### About 5DT

5DT <Fifth Dimension Technologies> is a high technology company specializing in Virtual Reality (VR). 5DT develops, produces and distributes affordable VR hardware, software and systems. 5DT also offers a wide range of Training Simulators and Computer Based Training (CBT) Systems in the Aerospace, Automotive, Defense, Entertainment, High Voltage, Marine, Medical, Mining, Sensor Modeling, Terrain Database and Visualization arenas.