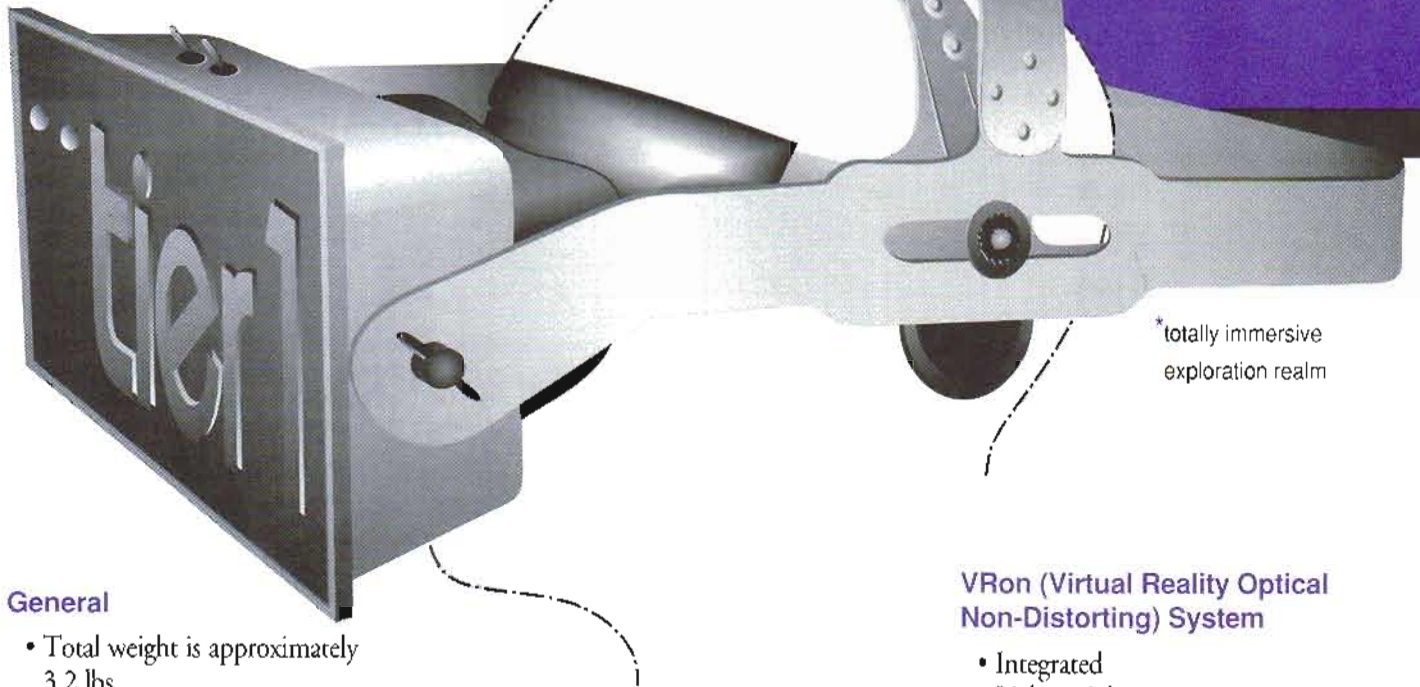


tier* 1

Head-Mounted & Head-Coupled Display Visor and Viewer



*totally immersive
exploration realm

General

- Total weight is approximately 3.2 lbs.
- Optional stereo headphones

Warranty

- One full year parts and labor

Easy to Use

- Simply place the unit on your head, turn a knob and slide the visor in until the unit covers your eyes
- LED indicators for power and mono/stereo modes
- Switches for power and stereo modes

Counterweighted Rear Bar

- Keeps visor balanced - regardless of the angle you move your head
- Reduces fatigue since your nose doesn't have to carry the weight of the visor

Customized Sizing

- Comfortably fits any size head

Exposed Head Design

- Hygienic
- Comfortable

Strategically Placed Tracker Island

- Directly centered
- Accommodates any tracker

Convenient Pivoting Design

- Allows you to easily view the real world by simply pulling the visor away from your face and lifting

Convertible Design

- Visor is easily detached for mounting on an arm
- Can be used as a hand-held viewer

One Piece Optical Housing and Electronic Compartment

- Less mounting hardware
- Superior durability
- Better mounting accuracy
- Aesthetically pleasing
- Housing weighs only 1.5 lbs.

VRon (Virtual Reality Optical Non-Distorting) System

- Integrated
- Light weight
- Impact resistant
- Low distortion
- 112° field of view
- Built-in convergence correction - no software shifting required

Advanced LCD Screen Technology

- Low power requirements
- 479 x 234 screen resolution
- Each screen can be individually adjusted for color, tint and brightness
- Designed solely for VR applications

Versatile Interface

- Two composite NTSC video inputs for full stereo viewing
- Mono viewing is available by simply plugging in to just one input
- The signal is split to both screens internally, eliminating the need for a "Y" cable

Introducing A New VRontier!

Overview

The **tier 1** visor is the next logical step in the evolution of Head-Mounted Display (HMD) technology. After carefully researching human factor elements in current HMD users, the **tier 1** achieves the highest possible performance without sacrificing comfort or mobility. The **tier 1** is fully integrated, easy to use, simple to maintain and service and competitively priced.

Because every part of the **tier 1** is manufactured to the highest integrity standards, VRontier worlds provides a one year manufacturer's warranty on all parts and labor at no extra charge.

tier 1 Technology

The **tier 1** visor features the VRon (Virtual Reality optical non-distorting) system - *one of the first optical systems designed solely for VR applications.*

This system was developed here at VRontier worlds and is unique in the industry. The VRon system is an integrated, light weight, impact resistant, low distortion optical package. It allows you to enjoy a totally immersed view of a diffused, fully converged image, eliminating the need for software shifting or other complicated corrective measures.

Another unique feature of the **tier 1** is its custom one-piece design. For the first time ever, the optical housing and the electronic compartment are one integral unit, providing superior durability, improved mounting accuracy, reducing outer mounting hardware and vastly improving its aesthetic appeal.

The LCD screen technology used in the **tier 1** is superior in color, size, weight and availability to most other VR systems. Its low power requirements, high performance and high resolution (479 x 234) places the **tier 1** among the best of the stereo input HMDs. The viewing screens are 25% larger than most HMD LCDs, allowing us to proportionally reduce the optical magnification, providing a wider field of view with finer resolution.

Functionality

The **tier 1** was designed and tested to fit comfortably on any size head. Because the light weight integrated equipment is all contained in the visor, we utilized an open design, allowing air flow to your head and face and eliminating the closed in feeling found in most helmets.

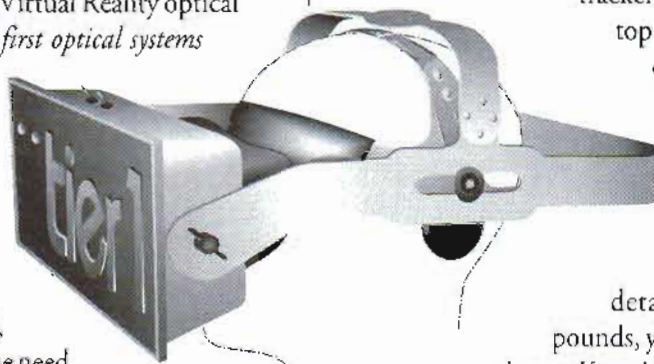
To use the **tier 1**, simply place the unit on your head, turn a knob and slide the visor in until the mask covers your eyes. The unit is now comfortably custom fit on your head. When you need to view the real world, just pull the visor away from your face and lift up. The visor is counterweighted and balanced on your head regardless of the angle. The tracker island is directly centered on the top of your head and will accommodate any tracker.

The **tier 1** easily detaches from the head gear to quickly mount on an arm, making it the first convertible HMD unit available! Since the detached visor weighs only 1.5 pounds, you can even use it as a hand-held viewer. Keep it by your computer and use it as a handy perspective reference as you program your virtual worlds.

The **tier 1** has two composite NTSC video inputs for full stereo viewing. If you desire, you can activate the mono mode by plugging in to just one input and flicking the stereo/mono switch. The signal is split to both screens internally so you do not need a "Y" cable. An LED on the visor indicates which mode you are in.

Each screen can be individually tailored for brightness, color and tint. These controls are available under the easy to remove front plate, and allow custom adjustment of the viewing screens for your own taste and to enhance your individual software preferences.

To complement the features of the **tier 1**, the unit is designed to be aesthetically pleasing. The high gloss futuristic grey finish enhances the contours and its modern, lightweight composition makes it durable.



We built the tier 1 convertible visor for you, with you in mind. Now you can sail into the new VRontier of tomorrow with the best technology of today!