



Designing for the future: Virtual Reality in the Oculus Rift

Presented by Palmer Luckey
Founder, Oculus VR

Korean Game Developers Conference 2012

Who am I?

Palmer Luckey

- Founder of Oculus VR, designer of the Rift headset
- Virtual Reality enthusiast, largest collection of VR headsets in the world (43 Units)
- Excited to bring VR to everyone

Oculus Rift



New, ground-breaking virtual reality (VR) headset for gaming

Oculus Rift

Kickstarter Video

Oculus Rift



Game Critics Awards E3 2012, Best Hardware/Peripheral, Nominee

Oculus Rift

Supported by industry visionaries.



Kickstarter raised \$2.4mil



Coming soon to gamers everywhere.



Immersive VR gaming has arrived.

Virtual Reality

The beginning of virtual reality is here.

Ready for gamers and consumers.

Immerse players in an entirely new way.

Needs game developers to build **for** VR.

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Oculus Rift Specifications

Rift HMD Developer Kit

- Low latency head tracking
 - 640x800 Variable Acuity Resolution
 - 90 degree horizontal FOV, 110 vertical
 - DVI/HDMI and USB
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- Consumer Version to have improved resolution

Making Good VR Games

Technical side of the SDK will be covered after my speech

Many gameplay considerations must be made for VR games

Making Good VR Games

Minimum

- User interface
- Camera consideration
- Control Optimization
- Fixing Gameplay

Ideal

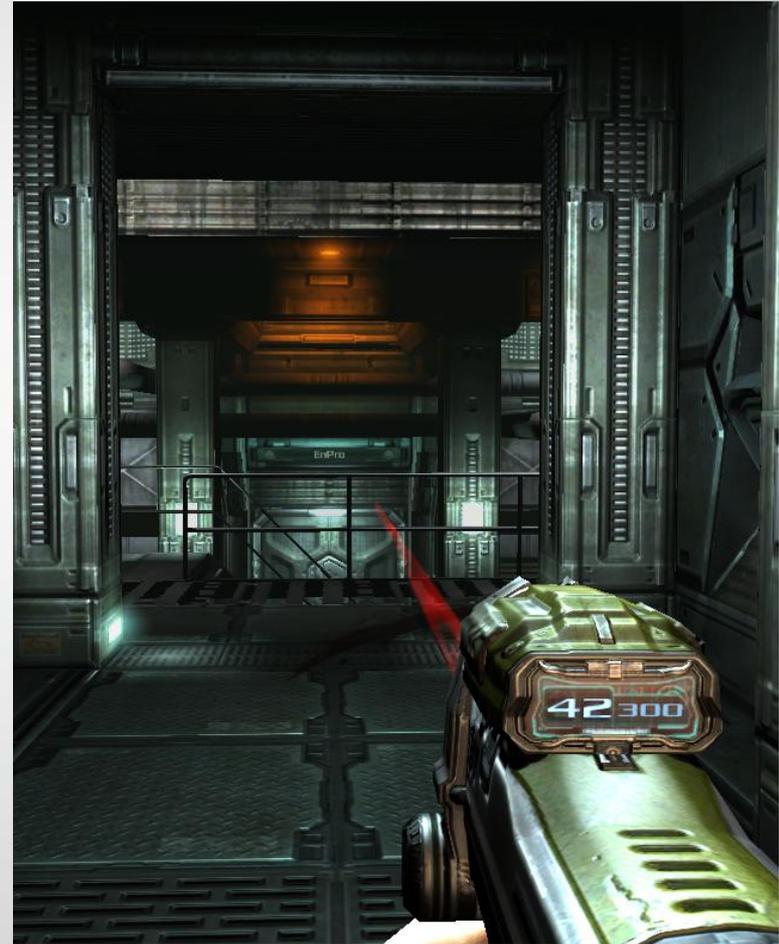
- VR Optimized controls
- VR Optimized Gameplay
- VR Optimized Genres

Making Good VR Games

Ammunition indicator on weapon, easy to see.

No crosshair/reticule, looks bad in 3D. Doom 3 uses a laser sight.

No shaking camera effects, will make player sick!



Different kinds of games in VR

First Person Shooter, obvious application

Other kinds of games can work well (Third Person Shooter, MMO, Sports, Racing, RTS)

The Oculus Rift allows you to jump inside any kind of game

What we need from developers

So many are already excited, and the more developers there are, the better Virtual Reality can get!

Try an Oculus Rift Developer Kit and see the future of gaming for yourself!

More Details

Pre-order Oculus Rift
developer kit now!

oculusvr.com/preorder

Questions?

OculusVR.com

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