



Amazing rendering and animation. In real-time.

## Recommended Workstations



HP ZBook 17 G5

### HP ZBook 17 G5 **VR** (Laptop)

Intel i7 8850H  
6 cores/12 threads @ 2.6 GHz  
(~\$2700)

### HP Z4 G4 Workstation **VR**

Intel i9 7940X  
14 cores/28 threads @ 3.1 GHz  
NVIDIA Quadro RTX 4000  
(~\$4000)

### HP Z8 G4 Workstation **VR**

2x Intel Xeon Gold 6154  
36 cores/72 threads @ 3.0 GHz  
NVIDIA Quadro RTX 4000  
(~\$16000)

### Dell/ALIENWARE AURORA **VR**

Intel i9 9900K  
8 cores/16 threads @ 3.6 GHz  
NVIDIA GeForce RTX 2080  
(~\$2500)

### Dell/ALIENWARE AREA-51 **VR**

AMD Ryzen Threadripper 2950X  
16 cores/32 threads @ 3.5 GHz  
NVIDIA GeForce RTX 2080  
(~\$4500)

### Dell/ALIENWARE AREA-51M **VR**

(Laptop)

Intel i9 9900K  
8 cores/16 threads @ 3.6 GHz  
NVIDIA GeForce RTX 2080  
(~\$4000)



Dell/ALIENWARE AREA-51M



Apple 27" iMac

### Apple 27" iMac

Intel i9 9900K  
8 cores/16 threads @ 3.6 GHz  
(~\$2500)

### Apple 15" MacBook Pro

Intel i9 9980HK  
8 cores/16 threads @ 2.4GHz  
(~\$3000)

### Maingear VYBE Pro **VR**

AMD Ryzen Threadripper 2990WX  
32 cores/64 threads @ 3.0 GHz  
NVIDIA GeForce RTX 2080 Ti  
(~\$5800)

### Maingear VYBE Pro **VR**

Intel i9 9900K  
8 cores/16 threads @ 3.6 GHz  
NVIDIA GeForce RTX 2080 Ti  
(~\$3500)



Maingear VYBE Pro



Boxx APEXX S3

### Boxx APEXX S3 **VR**

Intel i9 9900K  
8 cores/16 threads @ 3.6 GHz  
NVIDIA GeForce RTX 2080  
(~\$4900)

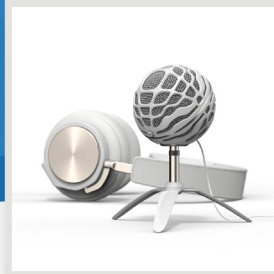
**VR** = VR Ready



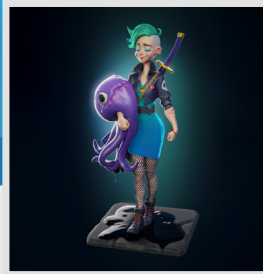
# CPU Benchmark

FPS result from heads-up display with real-time view @ 800x800px.  
Time from render output window after 256 samples @ 2000x2000px.

**Product Benchmark Scene:**  
Product Lighting Preset



**Entertainment Benchmark Scene:**  
Basic Lighting Preset



**Interior Benchmark Scene:**  
Interior Lighting Preset



	<b>AMD Ryzen Threadripper 2990WX</b> 32 cores/64 threads @ 3.0 GHz	56 FPS   6min 28sec	98 FPS   2min 13sec	13 FPS   27min 2sec
	<b>AMD Ryzen Threadripper 2950WX</b> 16 cores/32 threads @ 3.5 GHz	29.2 FPS   11min 26sec	84.6 FPS   3min 55sec	8.7 FPS   43min 52sec
	<b>AMD Ryzen Threadripper 1950X</b> 16 cores/32 threads @ 3.4 GHz	27.3 FPS   12min 10sec	79.6 FPS   4min 10sec	8.2 FPS   46min 37sec
	<b>Dual Intel Xeon Gold 6154</b> 36 cores/72 threads @ 3.0 GHz	69 FPS   5min 32sec	158 FPS   2min 0sec	17.7 FPS   20min 46sec
	<b>Intel i9 7920X</b> 12 cores/24 threads @ 2.9 GHz	21 FPS   15min 36sec	66 FPS   5min 28sec	7 FPS   56min 0sec
	<b>Intel i9 9900X</b> 8 cores/16 threads @ 3.6 GHz	19.8 FPS   20min 37sec	55.2 FPS   7min 0sec	5.3 FPS   1h 13min 49sec
	<b>Intel i7 8850X</b> 6 cores/12 threads @ 2.6 GHz	8.9 FPS   38min 7sec	29.8 FPS   16min 21sec	2.4 FPS   2h 9min 49sec

**AMD Ryzen Threadripper 2990WX**



**AMD Ryzen Threadripper 2950WX**



**AMD Ryzen Threadripper 1950X**



**Dual Intel Xeon Gold 6154**



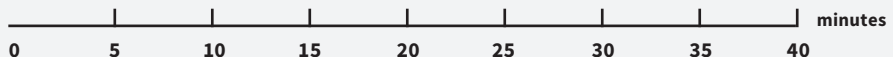
**Intel i9 7920X**



**Intel i9 9900X**



**Intel i7 8850X**



## Product Scene

Render time in minutes  
(lower is better)