Requested Testing Beta vs Release VR Enhancement Relative Performance

Testing INFO and Results

The Rig Used for testing

The following example settings/charts are made on a highly overclocked Rig with these specs:

- Windows 10 1803, highly optimized and contained with Process Lasso
- Intel CPU: i7-8700K Overclocked to 4.8 GHz
- CoolerMaster 360 CPU water cooler
- EVGA 1080ti FW3 (Driver V. 430.86 5/27/19)
- EVGA 1070 card (activated in Nvidia CP as Use All Cuda's)
- Supplemental 55f air over vid card
- (5) 122mm case fans, 2 in, 3 out.
- Gigabyte Aorus Gaming 5 v1
- 32 gig 3000 RAM XMP
- 3x RAM in Swap Space on OS M.2
- M.2 drive for OS and separate M.2 for DCS
- SSD for utility and storage

VR Headset used for Testing

HP Reverb

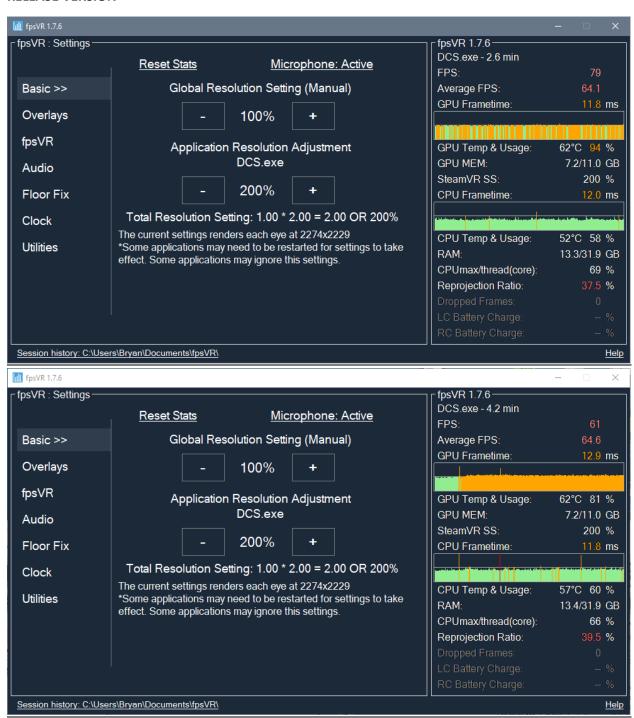
fpsVR Tool used for capture of experience statistics

At Rest, Menu Page in DCS

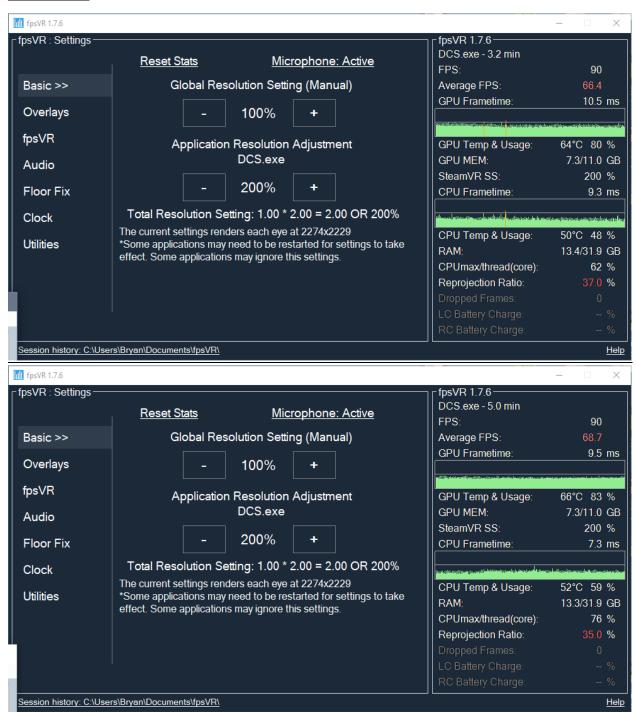


RESULTS

RELEASE VERSION



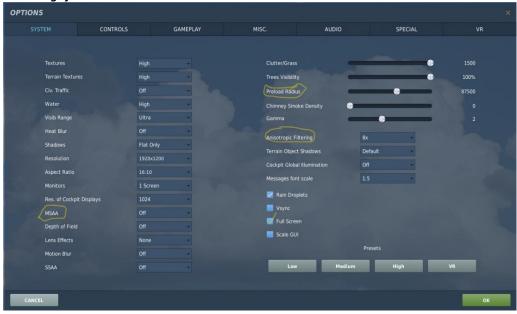
BETA Version

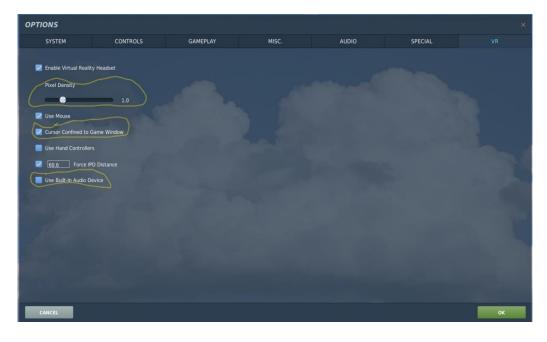


Game Settings used for Open Beta & Release

- o Visibility Range Ultra
- o MSAA NONE
- SSAA NONE
- o Preload Radius < 100,000
- o Anisotropic Filtering 16x
 - Picture incorrectly shows 8x correct is 16x.
- VR Pixel Density ONE

DCS Options Settings for Both Tests

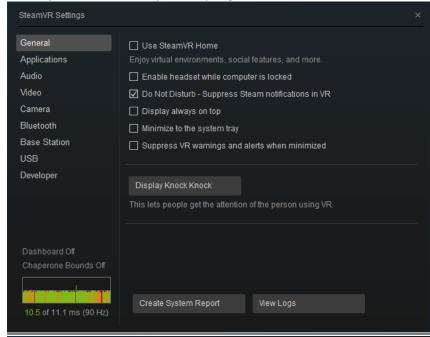




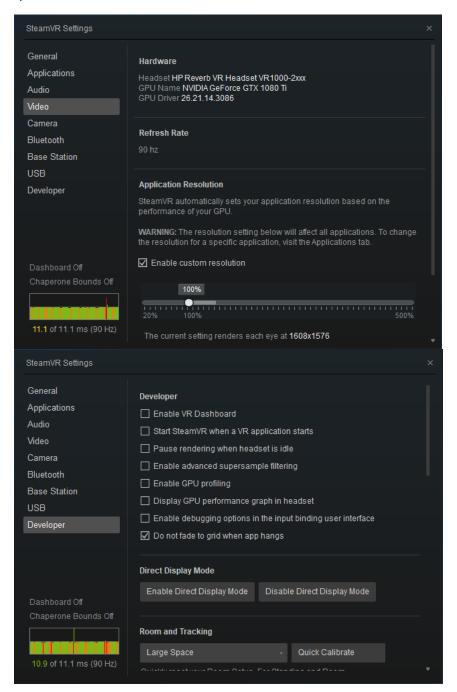
SteamVR (In the SteamVR Settings Menus)

0

- Settings Menu/Video App Rez/Custom 100%
- Settings Menu/Applications DCS.exe Custom Rez @ 188%.
- Developer Enhanced Super Sampling OFF

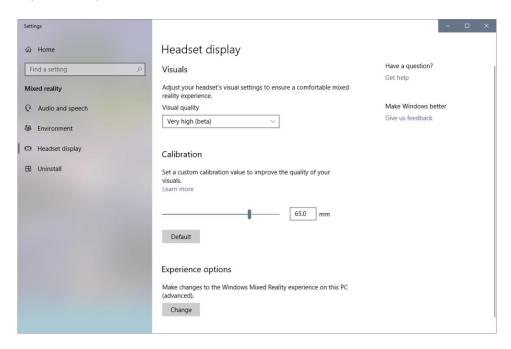


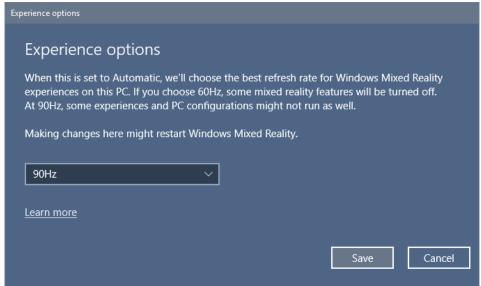
SteamVR Settings General Use these options to create unique settings per application Applications DCS.exe Audio Video **Custom Resolution** Camera This setting is a multiplier on top of your Video Application Resolution settings. This application may need to be restarted for settings to take effect. (Default is 100%) Bluetooth Base Station 200% 500% Developer The current setting renders each eye at 2272x2232



Windows MR Settings (In the Windows MR Portal Settings Menus)

- Visuals Very High (beta)
- Calibration Your IPD
- Experience Options 90Hz





• Nvidia Control Panel

- Set Virtual Reality pre-rendered frames: 3
- o Set Power Management Mode: Prefer Maximum Performance
- Set Shader Cache: ON