QUANTUM3D™
TRAINING. SIMULATION. TECHNOLOGY.

MANTIS Commander | Image Generator Software Platform

⬡ The MANTIS® Commander Advantages

Take the hassle out of developing a custom multi-channel Image Generator(IG) with MANTIS Commander. Commander brings ease-of-use and maintenance capabilities as found in Quantum3D's flagship Independence® IDX series, and makes them available in an economical software suite suitable for any size IG based on COTS components.

⬡ Hardware

- At least one graphics card supporting NVIDIA G-Sync (or Quadro Sync)
- At least one Ethernet connection Software (Windows Environment)
- Windows 7, 8, or 10 OS (32 or 64-bit)
- Microsoft .NET Framework 3.5 SP1 (or higher)
- Microsoft Visual C++ 2010 x86 Redistributable
- NVIDIA Quadro display driver version 313 or later Software (Linux Environment)
- SUSE Enterprise Linux 11 SP2*
- Mono 2.6.7 or later
- NVIDIA Quadro display driver version 310 or later

⬡ Key Features

- System-level control and configuration of multi-channel MANTIS-based IGs
- Supports a variety of COTS PC-based hardware platforms
- Available for both Windows and Linux operating systems
- Supports multiple PC nodes, and multiple video channels per node
- Automatic discovery and configuration of MANTIS server (channel) nodes
- Support for NVIDIA Quadro Sync and G-Sync (synchronized video outputs for multi-channel systems) technology with status monitoring
- Control of individual channel video formats (resolution, frame rate, etc.)
- Control of 3D quality settings per channel (antialiasing, texture filtering, etc.)
- Remote launch and control of all video channels
- Large systems: supports 64 or more channels (subject to hardware limitations)
- Diagnostic suite to perform readiness check and fault isolation in the event of faulty G-Sync hardware

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