



Program Listing for File gpu_info.hpp

[Return to documentation for file \(include/holoscan/core/system/gpu_info.hpp\)](#)

```
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or agreed to in writing, software * distributed under the License is distributed on an
"AS IS" BASIS, * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
express or implied. * See the License for the specific language governing
permissions and * limitations under the License. */ #ifndef
HOLOSCAN_CORE_SYSTEM_GPU_INFO_HPP #define
HOLOSCAN_CORE_SYSTEM_GPU_INFO_HPP #include <memory> #include
"nvmI_wrapper.h" namespace holoscan { namespace GPUMetricFlag { enum :
uint64_t { DEFAULT = 0x00, GPU_DEVICE_ID = 0x01, GPU_UTILIZATION = 0x02,
MEMORY_USAGE = 0x04, POWER_LIMIT = 0x08, POWER_USAGE = 0x10,
TEMPERATURE = 0x20, ALL = GPU_DEVICE_ID | GPU_UTILIZATION |
MEMORY_USAGE | POWER_LIMIT | POWER_USAGE | TEMPERATURE, }; } //
namespace GPUMetricFlag struct GPUInfo { uint64_t metric_flags = 0; uint32_t index =
0; char name[NVML_DEVICE_NAME_BUFFER_SIZE] = {}; bool is_integrated = false;
nvmI::nvmIPciInfo_st pci = {}; char serial[NVML_DEVICE_SERIAL_BUFFER_SIZE] = {};
char uuid[NVML_DEVICE_UUID_BUFFER_SIZE] = {}; uint32_t gpu_utilization = 0;
uint32_t memory_utilization = 0; uint64_t memory_total = 0; uint64_t memory_free =
0; uint64_t memory_used = 0; float memory_usage = 0.0f; uint32_t power_limit = 0;
uint32_t power_usage = 0; uint32_t temperature = 0; }; } // namespace holoscan
#endif/* HOLOSCAN_CORE_SYSTEM_GPU_INFO_HPP */
```

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