

財 物 採 購 規 範 書

一、名稱：NVIDIA DRIVE AGX Pegasus /1 套

案號：R520000085

二、規格/功能需求：

- 2x Xavier SoCs with integrated Hardware Engines
 - 8-core “Carmel” CPUs based on ARM v8 ISA
 - Deep Learning Accelerator (DLA): 5 TOPS (FP16) | 10 TOPS (INT8)
 - Volta-class GPU: 20 TOPS (INT8) | 1.3 TFLOPS (FP32)
 - Programmable Vision Accelerator (PVA): 1.6 TOPS
 - Stereo and Optical Flow Engine (SOFE): 6 TOPS
 - Image Signal Processor (ISP): 1.5 Giga Pixels/s
 - Video Encoder: 1.2 GPix/s
 - Video Decoder: 1.8 GPix/s
- 2x Turing Discrete GPU (Available with DRIVE AGX Pegasus Developer Kit)
 - Discrete GPU: 130 TOPS connected to Xavier SoC over NVLink (20GB/s)
- DRIVE AGX System I/O
 - Camera: >90 Gb/s over 16x GMSL(R) ports
 - Lidar/Radar: ~50 Gb/s over Ethernet
 - Vehicle IO: 16 CAN interfaces
- DRIVE AGX Memory Bandwidth
 - Xavier: >250 GB/s
 - Discrete GPU: > 750 GB/s
 - Overall: >1 TB/s

1. 僅限決標對象採購/代理之產品供貨，不得轉包

2. 功能：平台含 NVIDIA 自製軟體

- DRIVE AV including DriveWorks
 - DRIVE IX
 - NvMedia APIs for hardware accelerated multimedia and camera input processing
 - Deep Learning: TensorRT, cuDNN
 - Graphics APIs: OpenGL, OpenGL ES, EGL with EGLStream extensions
- Ubuntu target Root File System (RFS)

三、驗收標準：驗收時依據所列規格及功能驗收。