numurus
SMART SYSTEM SOLUTIONS

S2X-100-3K
A Smart System Development Platform

NVIDIA JETSON

|Powered by NEPI

Hardware Features

- 3km depth rated housing
- NVIDIA Jetson GPU Processor
- 1x Gigabit Ethernet Input Port
- 1 TB Solid State Storage

NEPI Open-Source Software

- Plug and Play Hardware Drivers
- Data Logging System
- AI Detection & Targeting Apps
- PT and Robotic Automation Apps
- Robot Operating System (ROS) API
- Browser-Based UI System

S2X Smart System Platforms

S2X smart system platfroms with Numurus' NEPI Engine software provides developers a rapid and turnkey solution for adding AI and autonomy to any robotic or smart sensing project. Learn more about Numurus' S2X open-hardware solutions and NEPI software at: www.numurus.com

Hardware	
GPU	NVIDIA Jetson Nano, Xavier NX or Orin NX Options
Internal Storage	1 TB M.2 Card (2 TB Upgrade Option)
Communications	
Ethernet Comms	1x GigE
Software	
Ubuntu	20.04
NVIDIA Jetpack	5.1.X
NEPI Engine Software	Latest release version

Electrical	
Input Voltage Range	10-36 VDC
Output Voltage Range	Pass Through from Aux Power Connector
Power Estimates	10-15 W
Mechanical	
Main Connector	SubConn DBCR2013M (GigE)
Device Connectors	MKS 310 (100 Mbits/s)
Housing Dimensions	26.6cm x 10.8 cm OD
Weight in Air/Water	5.0 lb / 2.6 lb
Depth Rating	3km

Units: mm

Ø 108.43

200

265.96

6

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STERN SIDE

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