STEREOLABS

ZED Box

Powered by NVIDIA Jetson TX2 NX

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The **ZED Box** is an intelligent edge device with smart analytics capability for retail, office, building and cities. Specifically designed to use with any stereoscopic cameras, it locally runs state-of-the-art 3D and AI algorithms including depth sensing, motion tracking and object detection.

ZED Box Overview

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Designed to work with all your existing cameras

The **ZED Box** unleashes the full capabilities of the **ZED** camera series and beyond. Thanks to a USB 3.0 port, it seamlessly connects to all the cameras which may be a part your current network.

Optimized for power, efficiency and performance

Based on the latest NVIDIA Jetson TX2 module, the **ZED Box** gives you exceptional speed, accuracy, and power-efficiency for your AI computing device.

Powered over Ethernet (PoE+)

Power over Ethernet (PoE+) is extremely cost effective as it allows for installation of remote devices and more power to be delivered without the need to install additional infrastructure. PoE-based systems are far more cost-effective and efficient.

Built-in 3D and AI SDK

The **ZED Box** comes with a pre-installed version of the latest **ZED SDK**, giving you access to all the latest developments in computer vision. The Video Analytics modules can also be used with the **ZED Box**, so you can get all your desired results quickly out of the box.

Easy to mount.

Unlike the other systems out there, you do not need a drilling machine for starting up. Simply mount it, snap together the connectors, and it is good to go. The **ZED Box** comes with multiple mounting options to meet your needs.

Remote Access

With **ZED Box** you can monitor and control all the Functionalities of your camera remotely using a dedicated cloud platform designed to give you all the insights you need

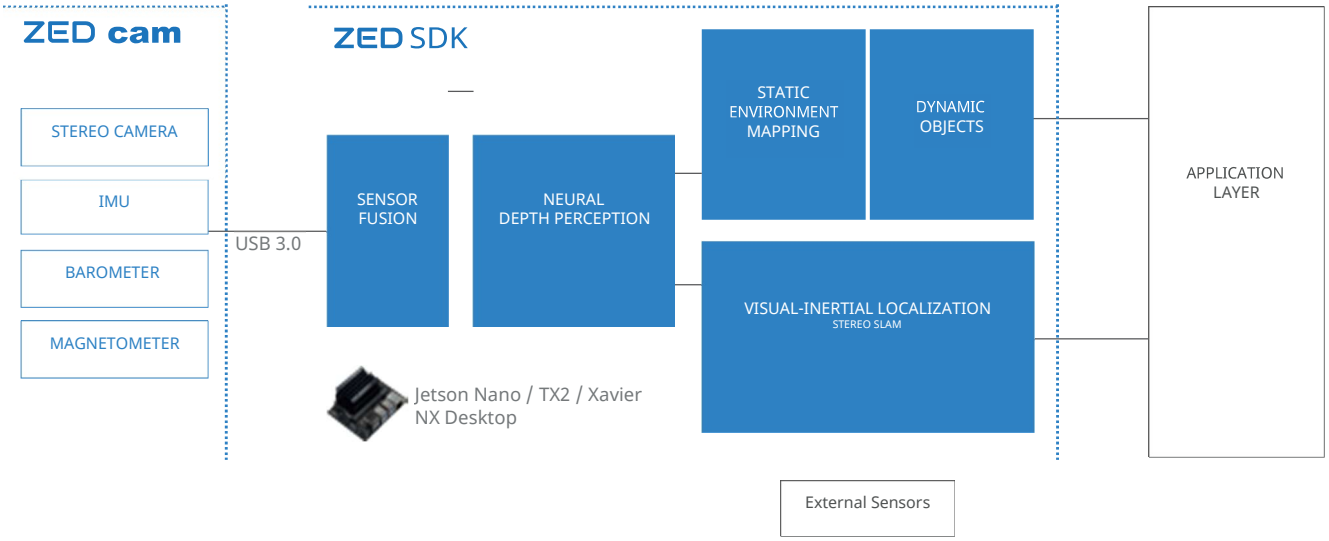
General Specifications

Camera	
GPU	NVIDIA Jetson TX2 NX 256-core NVIDIA Pascal GPU
CPU	Dual-Core Nvidia Denver 2 64-Bit CPU and Quad-Core ARM Cortex-A57 MPcore
Memory	4 GBbit LPDDR4 – 51.2GB/s
Storage	16 GB eMMC 5.1
Connectivity	10/100/1000 BASE-T Ethernet 1x 1 Mbps (1 MHz)
USB	USB 3.0, USB 2.0
Others	GPIO, I2C, I2S, SPI, UART
Display	HDMI 2.0

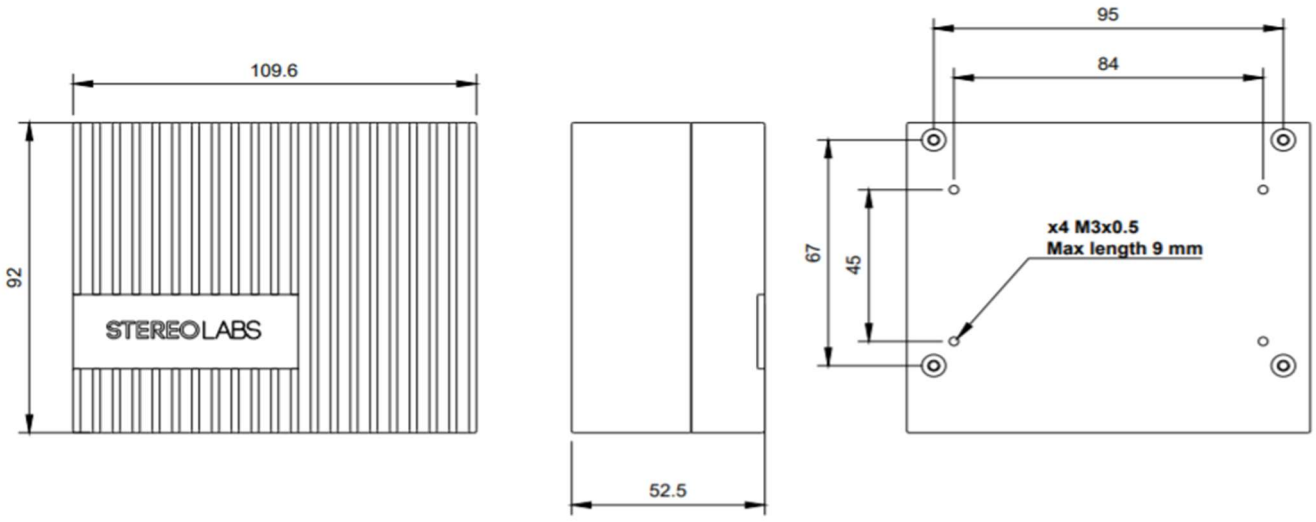
Physical	
Dimensions	150 x 100 x 55 mm (X x Y x Z'')
Weight	400g (T lb.)
Operating Temp.	-10°C to +45°C (14°F to 113°F)
Powered by	PoE+ or barrel jack 12V 5A
Case	Aluminum case passively cooled

Rev 1 specifications are subject to change without notice - 2019 - All rights reserved.

Functional Diagram



Technical Drawing



Dimensions in mm / All right reserved