

REBOTNIX[®]
INDUSTRIAL A.I. SOLUTIONS

GUSTAV-MINI 4xSDI

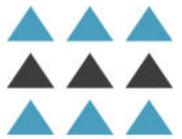
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SKU RB_GM4CHSDIO16

ABOUT GUSTAV MINI

SUPPORTS NVIDIA JETSON NANO NX & ORIN NX 8 & 16 GB

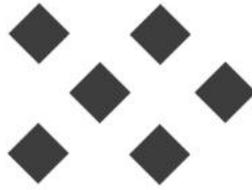


The Gustav Mini is a high-performance, NVIDIA Jetson-based device for demanding video processing and AI applications. Supporting 1x4K60, 2x4K30, or 4xHD60, it processes multiple video streams simultaneously in top quality.

Powered by an NVIDIA Jetson Orin NX (8 GB or 16 GB RAM) and an internal SSD, the system delivers impressive performance for AI-based workflows. The SDI x4 system was specifically developed for confined environments – whether controlling robots, machines, or vehicle cameras. The four independent SDI inputs enable robust video transmission over long distances, ideal for industrial applications with high demands for signal integrity and interference immunity.

www.rebotnix.com





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SPEZIFICATIONS

SUPPORTS NVIDIA JETSON NANO NX & ORIN NX 8 & 16 GB

ELEKTRICAL SPECIFICATIONS

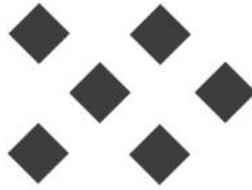
DC voltage input	12 - 24V
Power consumption	Max.30W

ENVIRONMENTAL SPECIFICATIONS:

Temperature range	-20°C up to 50°C
Humidity	Non-condensing

INTERFACES & CONNECTORS

USB	1xUSB 3.2 (Type-C)
DP	Mini DP 1.4
RJ45	1 x RJ45 up to 1000Mbps DHCP Client
SDI	4 x SDI Mini Connectr for a SDI cameras
DC IN	Molex Connector
ON/OFF	On/Off button
RES/REC	Reset/Recovery button



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SPAZIFICAZIONI

SUPPORTS NVIDIA JETSON NANO NX & ORIN NX 8 & 16 GB

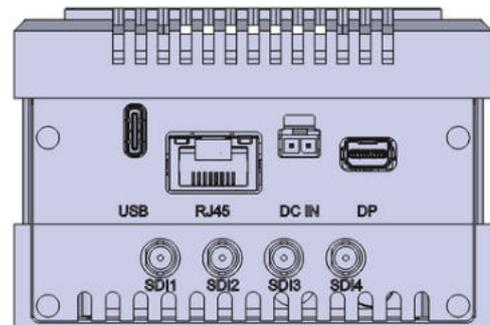
TECHNICAL SPECIFICATIONS

Dimensions	111mm x 85mm x 57mm (without Connectors)
Weight	540g (without power supply unit)
Housing	Black anodized aluminum

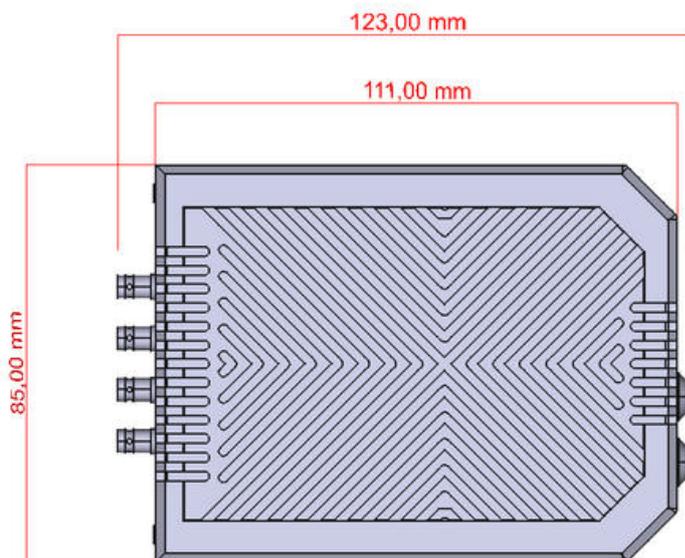
FRONTSIDE

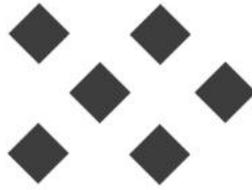


BACKSIDE



TOPSIDE





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CONNECTIVITY

SUPPORTS NVIDIA JETSON NANO NX & ORIN NX 8 & 16 GB

GUSTAV-MINI - FRONTSIDE



ON/OFF



ON/OFF BUTTON

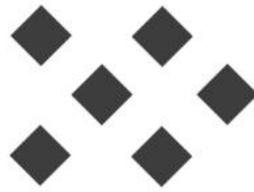
The ON/OFF button is used to power the device on or off, providing manual control of the system's operation.

RES/RSC



RES/RSC BUTTON

The multifunction button provides both reset and recovery functions: a short press restarts the device (reset), while a long press initiates the recovery mode for firmware update or system restoration.



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CONNECTIVITY

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GUSTAV-MINI - BACKSIDE



USB



USB SOCKET

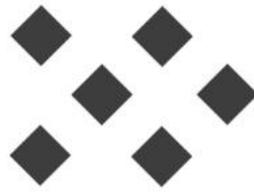
The USB 3.2 Type-C connector is used for high-speed data transfer, power delivery, and connection of external devices.

RJ45



RJ45 SOCKET

The RJ45 connector is used for Ethernet network connectivity, enabling wired data communication at 10/100/1000 Mbps with DHCP client support



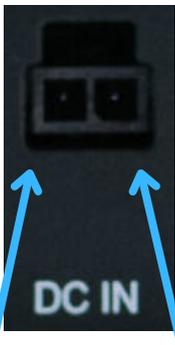
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CONNECTIVITY

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DC IN



PIN 1

PIN 2

DC IN SOCKET

The DC IN connector is used for power supply, supporting an input voltage range of 12–24 V DC

PIN	Description
1	GND
2	VIN

DP



DP SOCKET

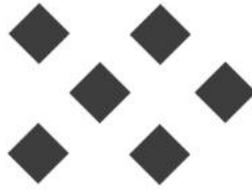
The DisplayPort 1.4 connector is used for high-resolution video output.

SDI 1 - 4



MINI-SDI SOCKETS

These 4 mini-SDI ports support both single-channel and multi-channel modes. In single-channel mode, each port supports 12G, 6G, 3G, HD, and SD-SDI with resolutions up to 4096×2160@60/50 fps. In multi-channel mode, the ports simultaneously support 2×6G-SDI, 4×3G-SDI, 4×HD-SDI, or 4×SD-SDI streams, enabling high-resolution, high-frame-rate video capture and output.



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LIFECYCLE

SUPPORTS NVIDIA JETSON NANO NX & ORIN NX 8 & 16 GB

JANUARY 2030

During the product life cycle, changes to hardware components may occur, which may be accompanied by corresponding software changes (e.g. updates to memory components). REBOTNIX reserves the right to make changes to availability at any time resulting from the supply chains of suppliers from the chip industry, e.g. NVIDIA Corp.