

**REBOTNIX**<sup>®</sup>  
INDUSTRIAL A.I. SOLUTIONS

# GUSTAV-MINI 2xSDI

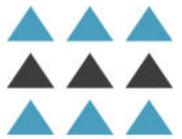
ALL IN ONE EDGE SOLUTION  
DOCUMENT VERSION 1.0



SKU: RB\_GM2CHSDIO16

## ABOUT GUSTAV MINI

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

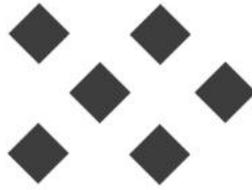


The GUSTAV-MINI 2xSDI is a high-performance, NVIDIA Jetson-based device for demanding professional video processing and AI applications. Supporting video formats from SD-SDI up to 12G-SDI with resolutions up to 4096 × 2160 @ 60 fps, it processes high-resolution video streams in real-time with exceptional quality.

Powered by an NVIDIA Jetson NX platform with support for JetPack 6.2 or later and an internal M.2 SSD (up to 4 TB), the system delivers impressive performance for AI-based workflows including video analysis, object detection, and automation. The GUSTAV-MINI 2xSDI was specifically developed for space-constrained environments – whether in industrial automation, broadcast applications, or mobile platforms. The 12G-SDI input with loop-through output enables stable, low-latency video transmission over long distances, ideal for professional applications with the highest demands for signal quality and reliability.

[www.rebotnix.com](http://www.rebotnix.com)





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## SPEZIFICATIONS

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

### ELEKTRICAL SPECIFICATIONS

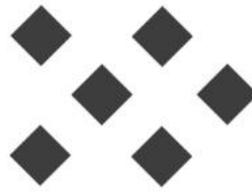
DC voltage input	12 - 24V
Power consumption	Max.30W

### 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 IN	SDI Connector for a SDI camera
SDI LOOP	SDI Connector
DC IN	Molex Connector
ON/OFF	On/Off button
RES/REC	Reset/Recovery button



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## SPAZIFICAZIONI

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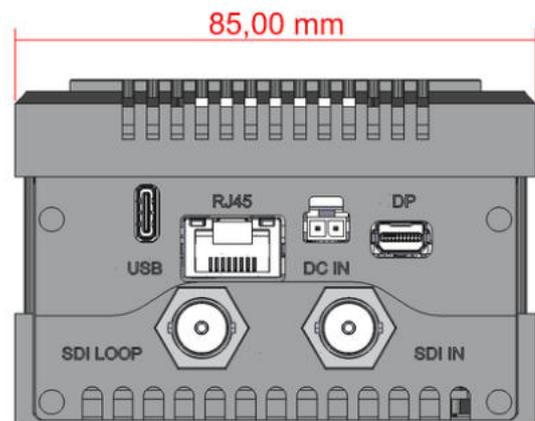
## TECHNICAL SPECIFICATIONS

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

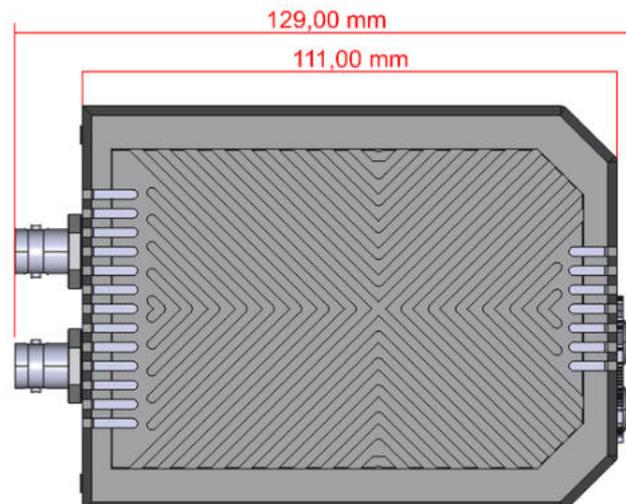
FRONTSIDE

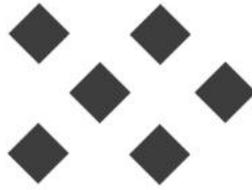


BACKSIDE



TOPSIDE





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## CONNECTIVITY

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

### GUSTAV-MINI - FRONTSIDE



ON/OFF



ON/OFF BUTTON

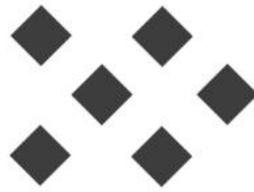
The ON/OFF button is used to power the device on or off, providing manual control of the system's operation.

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

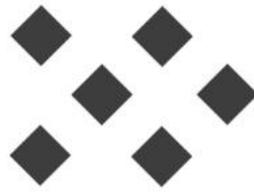
The USB 3.2 Type-C connector is used for high-speed data transfer, power delivery, and connection of external devices.

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



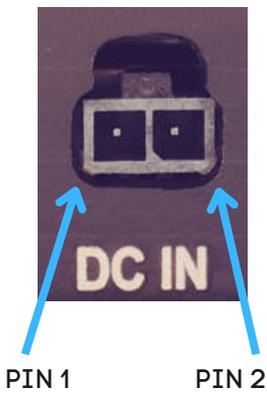
# GUSTAV-MINI 2xSDI

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## CONNECTIVITY

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### DC IN

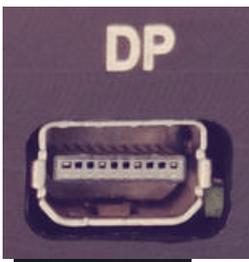


### DC IN SOCKET

The DC IN (MOLEX Micro-Fit 3.0) connector is used for power supply, supporting an input voltage range of 12–24V DC

PIN	Description
1	GND
2	VIN

### DP



### DP -DISPLAY PORT SOCKET

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

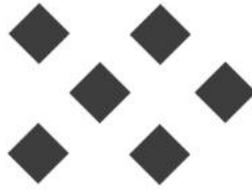
### SDI IN



### SDI SOCKET

The SDI input supports SD-SDI, HD-SDI, 3G-SDI, 6G-SDI, and 12G-SDI video formats.

It supports video capture resolutions up to 4096×2160 at 60/50 fps, depending on the SDI standard.



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## SDI LOOP



## SDI SOCKET

The SDI loop output provides an active loop-through of the incoming SDI signal.

The output signal is unprocessed and can be forwarded to additional SDI devices without affecting the input signal.

# 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.