GUSTAV-MINI 4xGMSL

ALL IN ONE EDGE SOLUTION
DOCUMENT VERSION 1.0

USB   RJ45   DC IN   DP

GMSL1   GMSL2   GMSL3   GMSL4

ON   RES

GUSTAV MINI

SKU:RB_GM4CHGMSLO16

ABOUT GUSTAV MINI
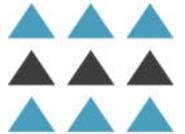
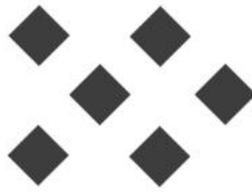## SUPPORTS NVIDIA JETSON NANO NX & ORIN NX 8 &16 GB

The GUSTAV Mini GMSL series was developed specifically for use in particularly compact environments. Whether for controlling robots, machines, or vehicle cameras, the goal of the GUSTAV Mini GMSL was to combine minimal space requirements with the highest technical standards.

The GMSL4 system currently supports the following cameras: ECON20, ECON21, Leopard IMX390, and Leopard OWL. These are particularly suitable for demanding computer vision applications that require wired security and cameras.

Equipped with an NVIDIA Jetson Nano or Orin NX (8 GB or 16 GB RAM optional) and an internal SSD, the system offers impressive performance for AI-based workflows. The four independent GMSL inputs enable robust video transmission over long distances, making them ideal for industrial applications with high requirements for signal integrity and noise immunity.

www.rebotnix.com

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
GMSL	4 x GMSL Connectr for a GMSL cameras
DC IN	Molex Connector
ON/OFF	On/Off button
RES/REC	Reset/Recovery button
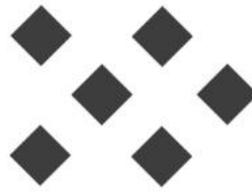
SPAZIFICATIONS

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
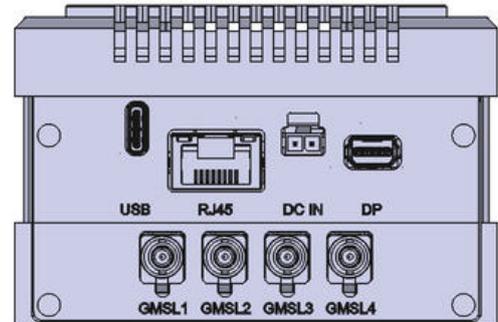
TOPSIDE
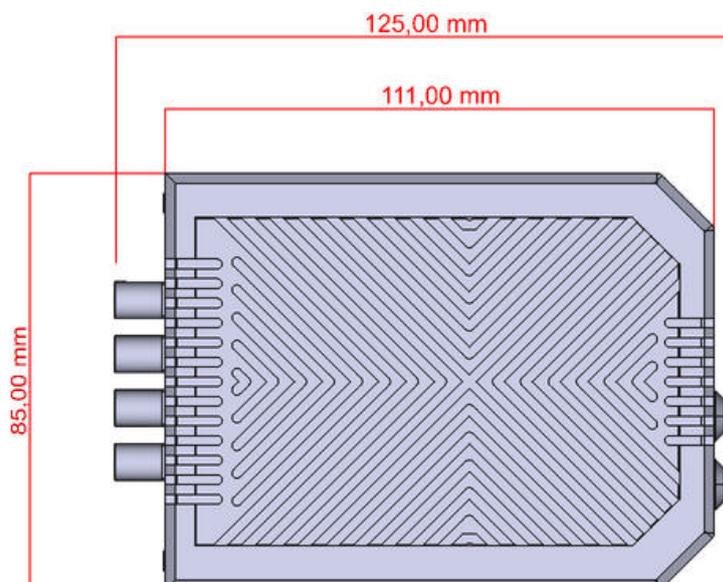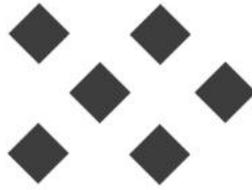
CONNECTIVITY

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.
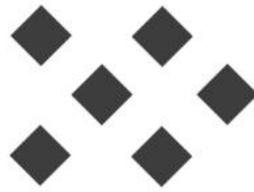
CONNECTIVITY

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

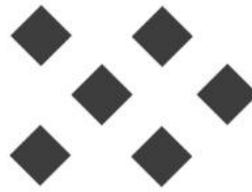### GUSTAV-MINI - BACKSIDE

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
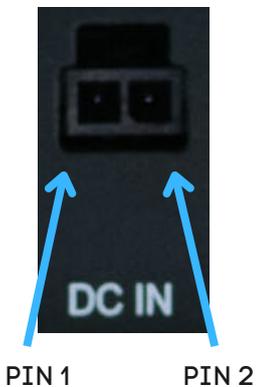
CONNECTIVITY

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

DC IN

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

PIN 1   PIN 2

DP

DP SOCKET

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

GMSL 1 - 4

GMSL SOCKETS

These 4 GMSL ports support video capture at various resolutions: 1920×1080p at 60/45/30 fps, 1280×720p at 90 fps, 1080×1280p at 120 fps, and 640×480p at 60 fps. This makes the system suitable for both standard surveillance and high-speed applications requiring high frame rates.
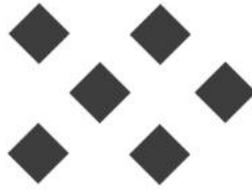
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LIFECYCLE
SUPPORTS NVIDIA JETSON NANO NX & ORIN NX 8 &16 GB

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.

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