

PRODUCT DATASHEET V1.0



BlackBox is a cutting edge forensics device for robotic systems. A secure data recorder for robots, capable of holding up to several months of network data.



APPLICATIONS

Forensic research

Robot **traceability**

Secure network **data storage**

PLATFORMS *(compatible with)*

UR3 / UR5 / UR10

MiR-100

ROS (*Kinetic, Melodic*) / ROS2 (*Eloquent*)

HARDWARE CHARACTERISTICS

Disk storage (HDD):

1TB / 2TB / 4TB

(others available on-demand)

ELECTRICAL CHARACTERISTICS

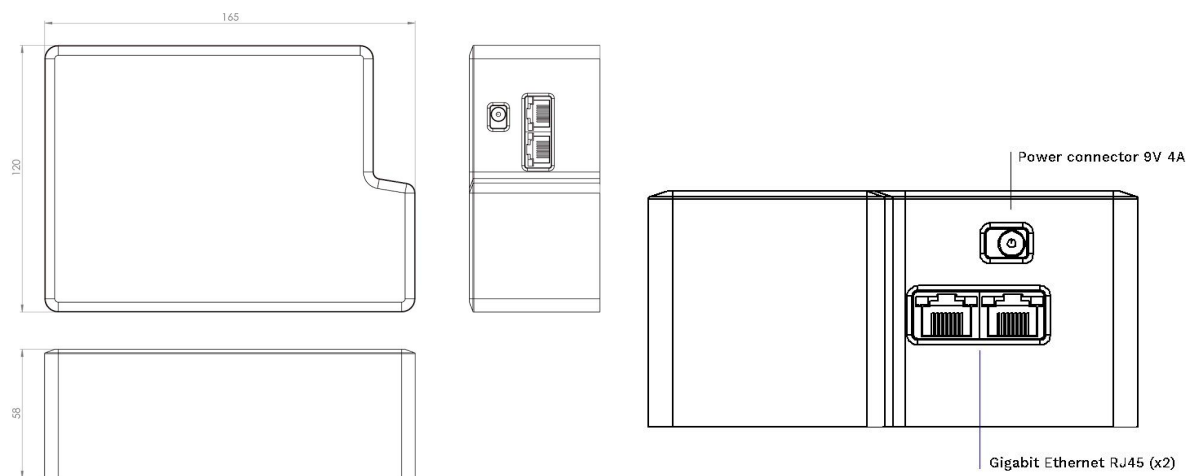
Power input:	9V 4A
Max power consumption:	35,4W
Communication interface:	IEEE 802.3 Gigabit Ethernet

POWER SUPPLY *(included with RIS)*

Power input:	100-230Vac 50/60Hz
Power output:	9V 4A

MECHANICAL CHARACTERISTICS

Weight:	750g
Materials:	Aluminium
Colour:	Orange or Silver
Dimensions:	120 x 165 x 58 mm



SOFTWARE CHARACTERISTICS

Communication interface:	1 Gbps Ethernet
Average throughput accepted without data loss:	20 Mbps
Max throughput without data loss:	60 Mbps
Data encryption and signing using:	OpenPGP standard (RFC4880)
Public-key encryption:	RSA-3072
Secure communication with Blackbox:	SSH protocol
Blackbox configuration:	Text user interface

KEY BENEFITS

Industrial-grade hardware

Robotics-specific

Cyclic or saturation recording modes

To obtain more information, please contact Alias Robotics sales representatives at sales@aliasrobotics.com