

UXV Technologies Product catalog



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The **Aeronav** is built on top of the 10" Panasonic Toughpad FZ-G1, a professional military-grade tablet that helps drive efficiency and productivity in ways that were never previously possible.

It is market-leading solution for all types of robotic, drone, and remote-controlled vehicles. It is versatile, radio-agnostic, and mobile and has an integrated stylus holder.

Aeronav

Peripherals

Tablet peripherals: Wi-Fi, Bluetooth, Gloved multi-touch
Optional tablet peripherals: W3G, 4G, LTE, RJ45 Gigabit Ethernet, USB
Aeronav peripherals: HID, 2 x USB 2.0

Dimensions

Screen: 10 in / 25.4 cm
Weight: 2.64 lbs / 1200 g
Dimensions: 15.8 x 8 x 3.5 in / 401 x 202 x 88 mm

Joysticks & input

Front Joystick options (up to 4): OTTO Hall-effect, Castle style joystick IP68, Alps Potentiometer joystick Control, MEC Hatswitch
Back side options: Alps Potentiometer joystick
Top Panel options: MON-ON Toggle switch, ON-ON Toggle switch, Momentary Pushbutton with sealboot, ON-ON Toggle switch, SAFETY ON-ON Toggle switch, MON-OFF-MON Toggle switch, MON-OFF-ON Toggle switch

Branding

Custom logo/colors/joystick layout/engraving/firmware

Radio compatibility

Microhard, RFD868X/RFD900X, Doodle labs, MPU 5, Silvus, etc.



The **Aeronav Android** is built on top of the 10" Panasonic Toughbook A3, a professional military-grade tablet that helps drive efficiency and productivity in ways that were never previously possible.

It is especially suitable for field application in markets such as aviation, defense, or construction because of its capability to perform under extreme and ever-evolving environments.

Aeronav Android

Peripherals

Tablet peripherals: Wi-Fi, Bluetooth
Optional tablet peripherals: W3G, 4G, LTE, RJ45 Gigabit Ethernet
Aeronav peripherals: HID, 2 x USB 2.0

Dimensions

Screen: 10 in / 25.4 cm
Weight: 2.64 lbs / 1200 g
Dimensions: 15.8 x 8 x 3.5 in / 401 x 202 x 88 mm

Joysticks & input

Front Joystick options (up to 4): OTTO Hall-effect, Castle style joystick IP68, Alps Potentiometer joystick Control, MEC Hatswitch
Back side options: Alps Potentiometer joystick
Top Panel options: MON-ON Toggle switch, ON-ON Toggle switch, Momentary Pushbutton with sealboot, ON-OFF-ON Toggle switch, SAFETY ON-ON Toggle switch Potentiometer, MON-OFF-MON Toggle switch, MON-OFF-ON Toggle switch

Branding

Custom logo/colors/joystick layout/engraving/firmware

Radio compatibility

Microhard, Doodle labs, MPU 5, Silvus, etc.



The **Micronav** is built on top of the 7" Panasonic FZ-M1, a professional and military grade tablet featuring MIL-STD-810G, and a 5 m Drop and All-weather IP65 Dust and Water-resistant Design.

Because of its size, the Micronav is easily portable and mostly used for defense purposes.

Micronav

Peripherals

Tablet peripherals: Wi-Fi, Bluetooth
Optional tablet peripherals: W3G, 4G, LTE
Micronav peripherals: HID, 2 x USB 2.0

Dimensions

Screen: 7 in / 17.78 cm
Weight: 1.98 lbs / 900 g
Dimensions: 11.3 x 5.4 x 2.2 in / 286 x 138 x 56 mm

Joysticks & input

Front Joystick options (up to 4): OTTO Hall-effect, Castle style joystick IP68, Alps Potentiometer joystick Control, MEC Hatswitch
Back side options: Alps Potentiometer joystick
Top Panel options: MON-ON Toggle switch, Momentary Pushbutton with sealboot, ON-OFF-ON Toggle switch, ON-ON Toggle switch, SAFETY ON-ON Toggle switch Potentiometer, MON-OFF-MON Toggle switch, MON-OFF-ON Toggle switch

Branding

Custom logo/colors/joystick layout/engraving/firmware

Radio compatibility

Microhard, Doodle labs, MPU 5, Silvus, etc.



The **Micronav Android** is built on the 7" military-grade Panasonic Toughpad FZ-S1 Android tablet, featuring a drop-resistant MIL-STD-810G and IP65 for reliable operation in challenging environments.

It incorporates a daylight-readable, high-sensitivity, multi-touch display that can be operated while wearing heavy gloves.

Micronav Android

Peripherals

Tablet specification: Wi-Fi, Bluetooth, IP65, MIL-STD-810G, Color / IPS TFT, 16M colors, 60 Hz, 800 x 1280 px (7.00") 216 ppi, 56.2% screen-to-body ratio

Micronav Android specifications: HID, 2 x USB 2.0

Dimensions

Screen: 7 in / 17.78 cm

Weight: 1.98 lbs / 900 g

Dimensions: 11.3 x 5.4 x 2.2 in / 286 x 138 x 56 mm

Joysticks & input

Front Joystick options (up to 4): OTTO Hall-effect, Castle style joystick IP68, Alps Potentiometer joystick Control, MEC Hatswitch

Back side options: Alps Potentiometer joystick

Top Panel options: MON-ON Toggle switch, ON-ON Toggle switch, Momentary Pushbutton with sealboot, ON-OFF-ON Toggle switch, SAFETY ON-ON Toggle switch Potentiometer, MON-OFF-MON Toggle switch, MON-OFF-ON Toggle switch

Branding

Custom logo/colors/joystick layout/engraving/firmware

Radio compatibility

Microhard, SRM*

*Optional



The **C2Nav** is built on top of the Panasonic CF-20 tablet powered by Microsoft Windows which delivers an enterprise solution for operation in rain or shine.

The C2Nav is an ultra-mobile ground control station with a detachable keyboard making operations more productive and user-friendly.

C2Nav

Peripherals

Tablet peripherals: Wi-Fi, Bluetooth
Optional tablet peripherals: 4G, uBlox GPS
C2Nav peripherals: HID, 2 x USB 2.0

Dimensions

Screen: 10.1 in / 25.4 cm
Weight: 2.64 lbs / 1200 g
Dimensions: 15.8 x 8 x 3.2 in / 400 x 204 x 80 mm

Joysticks & input

Front Joystick options (up to 4): OTTO Hall-effect, Castle style joystick IP68, Alps Potentiometer joystick Control, MEC Hatswitch
Back side options: Alps Potentiometer joystick
Top Panel options: MON-ON Toggle switch, ON-ON Toggle switch, Momentary Pushbutton with sealboot, ON-OFF-ON Toggle switch, SAFETY ON-ON Toggle switch Potentiometer, MON-OFF-MON Toggle switch, MON-OFF-ON Toggle switch

Branding

Custom logo/colors/joystick layout/engraving/firmware



The **G2Nav** is a dynamic ground control platform, offering greater control in scenarios where mobility is not the only driving factor.

With the G2Nav you get a ground control platform that is easy to transport and easy to mount with all the control options that you would expect from a professional ground control platform.

G2Nav

Interfaces

Left side components: 3 x USB 2.0, 2 x RJ45 Connector, HDMI Connector, 2 x control link interfaces

Center - Human interface: Keyboard with US QWERTY layout and numpad
Mouse-trackpad or trackball, Storage compartment

Right side components: Info battery displays, 2 LED indicators, Tickle charging barrel connector, 3 fuse panels, AC/DC inputs

Right side HID: 5D Pad, APEM HF series joystick with two pushbuttons, MEGATRON SpaceMouse®, Cluster of 3 switches, Power on toggle switch with guard, 3 toggles, Keyswitch for power on/off

Left side HID: Hall-effect T-bar fader controller, Cluster of 4 switches, 2 toggles, 2 push buttons

2 x HID Displays: Resistive touch, works with gloves and wet hands, Screen size: 2x 21.5 in, Full HD: 1920 x 1080, 170 degree horizontal viewing angle, Back light Up to 1500 nits, Optical bonded screens, 3x SMA connectors

Dimensions

Screen size: 2 x 21.5 in

Weight: 99 lbs / 45 kg

Weight with legs: 121 lbs / 55 kg

Dimension: 47.6 x 16.5 x 9 in / 121 x 42 x 23 cm

Dimension with legs: 47.6 x 16.5 x 12.6 in / 121 x 42 x 32 cm

Computer

CPU Intel® Core™ i5 - 10500T 6 Core, 2.3 GHz up to 3.80 GHz, Graphics Intel UHD 630, RAM 16 GB DDR4-3200, Storage 256 GB SSD, Wireless Dual band Wi-Fi and Bluetooth, OS Windows or Linux flavour of choice

Power

AC Power supply: Universal mains, 50/60 Hz 100-240VAC up to 400W

DC Power supply: 12-28 VDC up to 400W, surge protected and reverse polarity protected

Emergency Power: Up to 30 minutes of emergency power

Branding

Custom logo/colors/joystick layout/engraving/firmware



With the **Navigator Tab 3** we offer our first easy extendable add-on to an existing Samsung Tablet, allowing you to “dock” your Samsung Galaxy Tab Active 3 and gain the capability to operate using the Navigator Tab 3’s joysticks and buttons.

With the USB Type-C connector and NavBay expansion port, the Navigator Tab 3 allows the operator to extend functionality further, as it enables the user to connect the Navigator to other mobile devices.

Navigator Tab 3

Tablet

Fits Samsung Galaxy Tab Active 3 <Not included>

Dimensions

Weight: 1.20 lbs / 545 g (Excluding tablet)
Dimensions: 11.3 x 5.4 x 2.2 in / 287 x 137 x 56 mm

Input & Communication

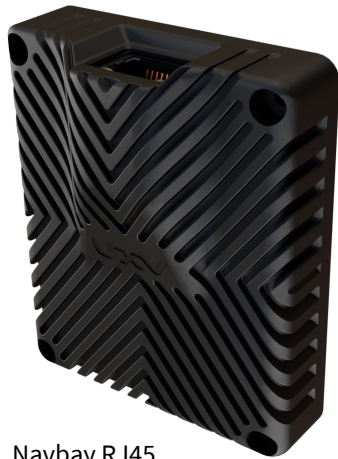
Interfaces: 2 x Joysticks, 2 x 5-direction buttons, 2 x Buttons
Communication: USB Type-C, Wi-Fi
NavBay communication modules: RFD900, RFD868, Rajant Dx2, ODU w. ethernet, Microhard rDDL, Doodle Labs, Smart / (OEM)

Branding (For quantities over 100 pcs)

Custom logo/colors/joystick layout/engraving/firmware



Navbay ODU



Navbay RJ45

The **NavBay** modules allow you to connect external radios on the backside of our Navigator Tab 3 controller. They are compatible with Microhard and Doodle Labs and offer Ethernet connections, **RJ45** and **ODU**.

The NavBay allows communication modules to be installed or switched with ease, enabling new communication methods using popular radios such as Microhard, Doodle Labs, Silvus Technologies, and Persistent Systems.

NavBay ODU & RJ45

Mechanical

ODU: Environmental rating IP65

Size: 2.3 x 2.8 x 1 in / 58 x 70 x 26 mm (W x H x D)

RJ45: Environmental rating IP20

Size: 4.8 x 4.2 x 1.7 in / 123 x 106 x 29,5 mm (W x H x D)

Human interfaces

ODU: ODU G81 - 8 Pin

RJ45: RJ45 - Female



This **NavBay** module enables the attachment of Microhard (MH) radios to the back of Navigator Tab 3. NavBay MH is compatible with all tactical and non-tactical OEM radios offered by Microhard, available in either a single or dual antenna setup based on the internal radio.

The NavBay MH module also offers the choice of additional internal power to extend operational duration if needed.

NavBay Microhard

Mechanical

Environmental rating IP65

Size: 2.3 x 2.8 x 1 in / 58 x 70 x 26 mm (W x H x D)

Weight: 0.2 lbs / 90.5 g

**Radio
Miniature OEM form factor**

Encryption: AES 128 Bit & 256 Bit
NDAA Compliant

Frequency available on request

pDDL900: 900 MHz & 2.4 GHz
pDDL1800: 1810 - 1850 MHz
pDDL2450: 2.402 - 2.478 GHz
pMDDL2350: 2.304 - 2.39 GHz
pMDDL2450: 2.402 - 2.478 GHz
pMDDL2550: 2.500 - 2.570 GHz

Human Interfaces

2 x SMA connectors
1 x Navigator Tab interface

Power supply requirements

Powered by Navigator Tab 3



This **NavBay** module provides the capability to attach Doodle Labs radios to the backside of Navigator Tab 3. The module is compatible with all Doodle Labs' tactical and non-tactical OEM radios and features a dual antenna setup, boasting two SMA connectors located at the top of the module.

The NavBay Doodle Labs module is also available in a high-power variant, designed to prolong operational duration.

NavBay Doodle Labs

Mechanical

Environmental rating IP65
Size: 4.8 x 4.2 x 1.2 in / 123 x 106 x 29,5 mm (W x H x D)

Radio **Doodle Labs Embedded** **Mesh Rider Radio**

Max Throughput: 100 Mbps
Range: 100+ kilometers
Encryption: 256 Bit AES
NDAA Compliant

Frequency available on request

902 - 928 MHz
1350 - 1390 MHz (L-Band)
2200 - 2300 MHz (S-Band)
2400 - 2482 MHz (Wifi)
3550 - 3700 MHz (CBRS)
4400 - 5000 MHz (C-Band)
5725 - 5875 MHz (Wifi)

Human Interfaces

2 x SMA connectors
1 x button for status check

Power supply requirements

2 x A18650 batteries



SROc offers high communication flexibility through the new innovative radio platform Swappable Radio Module (SRM) and the Nett Warrior connector directly mounted in the controller handle.

Besides the internal battery the SROc offers the possibility to easily add two SBM (Swappable Battery Module) directly on the back of the controller. The SROc controller is a standard non customizable product, developed for the modern GCS user and based on Android.

SROc

Peripherals

Tablet specification: Wi-Fi, Bluetooth, W3G, 4G, LTE
SROc specifications: HID, 1 x USB Type-C, SRM (Swappable radio module), 2 x SBM (Swappable battery module) slots, 1 x Nett Warrior connector

Dimensions

Screen: 7 in / 17.78 cm
Weight: 2.1 lbs / 950 g
Dimensions: 10.1 x 5.5 x 2.6 in / 256 x 140 x 66 mm

Interfaces

Front side joysticks: 1 x Althen 5D joystick, 2 x Hall-effect joystick RuFFy, 4 x pushbuttons, 11 x backlit bezel buttons
Back side joysticks: 2 x operator presence
Top side joysticks: 2 x single axis joystick RuFFy, 2 x push buttons

SRM Peripheral Radios
 Will expand with time

Microhard pDDL, Doodle Labs, Silvus SC4200, Persistent systems Embedded module, Trellisware TW 650, SDR - RTL



SRM-S-DL

The **Swappable Radio Module (SRM)** is a US government standard for defense robotics. With the SRM radios you have more than 25 different radio configurations available which all fit the same interface.

The SRM radios offer a high level of flexibility, since you are not locked to one system, but can swap radios as you like, when and where you want it.



SRM-S-MH

With SRM-S radios you get a radio that uses under 15 Watts and thereby runs only on internal power from the SRoC controller.

The SRM-S can fits radios from all well proven vendors, such as Doodle Labs, Microhard, Trellisware, SBS, and SDR.



SRM-S-TW650

SRM-S



SRM-S-SDR-RTL

Mechanical	IP65, MIL-STD-810G Size: from 2.6x3.20x0.90 in / 67x81x22 mm (WxHxD) Weight: from 0.26 lbs / 120 g
Human interfaces	Up to 2 x TNC connectors, 1 x SRM Dock interface, 1 x Micro SD-card slot
Power supply requirements	Voltage range: 5.5 - 20 DC [V] Current: Maximum 3 [A] Watt: Maximum 15 [W]
Radio	Microhard, Doodle labs, SDR-RTL, Trellisware



SRM-L-PS5

The **Swappable Radio Modules (SRM)** are a US government standard for defense robotics. With the SRM radios, you have more than 25 different radio configurations available which all fit the same interface.

The SRM radios offer a high level of flexibility, since you are not locked to one system, but can swap radios as you like, when and where you want it.

With SRM-L radios you get a radio that uses more than 15 watts and thereby needs external power.

The SRM-L fits radios from all well proven vendors, such as Persistent Systems, Silvus Technologies, and Trellisware.



SRM-L-SC4200

SRM-L

Mechanical

IP65, MIL-STD-810G
Size: from 2.7 x 5.0 x 1.8 in / 67 x 128 x 45 mm (WxHxD)
Weight: from 0.97 lbs / 439 g

Human interfaces

From 2 x TNC, 1 x GPS antenna (Persistent System),
 1 x Dial button (Power and Channel), 1 x SRM Sledge,
 1 x SD-card slot,
 1 x Twist-on battery,
 1 x PTT (For Trellisware and Silvus)

Power supply requirements

Voltage range: 10 - 20 DC [V]
Current: Maximum 5 [A]
Watt: Maximum 15 [W]

Radio

Persistent System, Silvus Technologies, Trellisware, SkydioLink, Mobilicom



With **SRM-S-ODU** you get an adapter that allows you to connect non-SRM compatible solutions to SRM radios via ODU.

The SRM-S-ODU has internal storage through a micro SD-card.

The SRM (Swappable Radio Module) is a US government standard for defense robotics.



With the SRMs you have more than 25 different radio configurations available which all fit the same interface. The SRM radios offer a high level of flexibility, since you are not locked to one system, but can swap radios as you like.

SRM-S-ODU

Mechanical

IP65, MIL-STD-810G
Size: 2.6 x 3.4 x 0.9 in / 67 x 85 x 23 mm
Weight: 0.29 lbs 7 130 g

Human interfaces

1 x ODU G-81, 1 x SRM Dock interface, 1 x Micro SD-card slot

Power supply requirements

Voltage range: 5.5 - 20 DC [V]
Current: Maximum 3 [A]
Watt: Maximum 15 [W]



Make your drone or vehicle SRM compatible with our new **SRM Airside**. It is compatible with all SRM radios and allows charging and communication directly through the ODU connectors in the bottom.

The SRM Airside is multi directional mountable and is used for vehicle and drone mounting.

SRM Airside

Mechanical

IP65, MIL-STD-810G
Size: 3.5 x 3.8 x 1.1 in / 90 x 96 x 28.5 mm
Weight: 0.49 lbs / 220 g

Radio compatibility

Compatible with all SRM radios

Connections

2 x ODU G81 female connector, 1 x ODU GK0WAM-P09 – female



With **SRM MOLLE Dock** you get an interface between your SRM radio and a Nett Warrior (NW) HUB or USB-A device.

The MOLLE Dock can be used both for field applications or for debugging purposes and fits standard molle wedging.



It is compatible with all SRM radios, and can make field operations and debugging easier. When ordering the MOLLE Dock, you choose between either Nett Warrior or USB-A and XT30 connector.

SRM MOLLE Dock

Mechanical

IP65, MIL-STD-810G

Size: 2.6 x 3.0 x 0.7 in / 66.70 x 76.96 x 18.20 mm (W x H x D)

Weight: 0.32 lbs / 146 g

Radio compatibility

Compatible with all SRM radios

Connections

Interfaces: Nett Warrior plug

Debugging connector: XT30, USB Type-A



With **Soldier Borne Compute Module (SBCM)** we provide a next level Nett Warrior hub for both man carrying and vehicle mounting.

The SBCM combines both computing power and the ability to power multiple EUD's.

This unit has a compute module built in, Nett Warrior hub and the possibility of adding two extra twists on batteries directly on the module. The SBCM is based on open architecture software for developer programming.

Soldier Borne Compute Module

Mechanical

IP65, MIL-STD-810G

Size: 5.71 x 3.45 x 1.57 inches / 145 x 87.6 x 39.8 mm (W x H x D)

Weight: 0.88 lbs / 400 g (without batteries)

Customizable mounting options

Interfaces

4 x Nett Warrior receptacle

1 x Nett Warrior plug

2 x SRM dock

2 x Twist-on batteries

Communication

Samtek ERF5 - 40 pin connector, RJ45, USB-A, USB-C, HDMI,

Power supply requirements

12-36 Volt DC (Input Protected)

Computing

Nvidia Jetson Xavier NX, 21 TOPS (trillion (10¹²) Operations Per Second, 384-core NVIDIA Volta™ GPU with 48 Tensor Cores, 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3, Memory: 16 GB 128-bit LPDDR4x 59.7GB/s, Storage: 16 GB eMMC 5.1 (expandable)



The **NW Pico Hub** is a compact, lightweight and robust Net Warrior hub that has been specifically designed for distributing data and power in demanding environments, particularly for dismounted soldier applications. It seamlessly integrates with the SRM series of products and supports USB1.1 and USB2.0.

With its scalable design, the NW Pico Hub enhances the adaptability of soldiers by providing a flexible solution. It can be utilized across various mission types, such as equipping soldiers with situational awareness or supporting unmanned vehicles.

Net Warrior Pico Hub

Mechanical

IP65, MIL-810 STD

Size: 2.24 x 2.56 x 0.87 inches / 57 x 65 x 22 mm (W x H x D)

PAN PORT configuration

1 x Net Warrior plug - 6 Pin/ Power

1 x Net Warrior receptacle - 6 Pin/ EUD port

3 x Net Warrior receptacle - 6 Pin/ PAN ports

1 x Dial switch - Power ON/OFF

Power supply requirements

Voltage range: 10 - 20 DC [V]

Current: Maximum 5 [A]



The **NW HeXa Hub** is a compact, lightweight and robust Net Warrior hub that has been specifically designed for distributing data and power in demanding environments, particularly for dismounted soldier applications. It seamlessly integrates with the SRM series of products and supports USB1.1 and USB2.0.

The HeXa HUB capability:

- 4 universal PAN ports for up to six devices
- 1 designated EUD port
- 2 designated radio ports
- 2 ports for battery and auxiliary power input

Net Warrior HeXa Hub

Mechanical

IP65, MIL-810 STD

Size: 2.72 x 4.1 x 0.97 inches / 69 x 103.5 x 24.6 mm (W x H x D)

PAN PORT configuration

1 x Net Warrior receptacle - 7 Pin / EUD port
 1 x Net Warrior plug - 6 Pin / Auxiliary power
 1 x Net Warrior plug - 6 pin / Battery power
 2 x Net Warrior plug - 6 pin / Designated Radio
 4 x Net Warrior receptacle - 7 Pin / PAN ports
 1 x Dial switch - Power ON/OFF

Power supply requirements

Voltage range: 10 - 20 DC [V]
 Current: Maximum 5 [A]



The **Optroxa GMB 600** sets new standards for the weight, size, and performance of professional thermal and RGB camera gimbals.

The built-in RGB camera offers up to 18x optical zoom + 10x digital zoom with recording in HD which helps to capture and record vital details, maximizing the value of your operations.

In addition to the RGB camera, the gimbal offers a laser range finder and a high-performance thermal camera, built into the module offering a resolution of 640x512 and frame rates up to 60 Hz.

Optroxa GMB 600

Optics

RGB Camera: Sony IMX 296C, 1/2.9" CMOS sensor, color, SONY® Pregius, 1440 x 1080 pixel, 1.6MP, Trigger input/flash trigger output

Thermal camera: FLIR Boson 320 or FLIR Boson 640

FLIR Boson 320: 14mm lens, HFOV 32° - Resolution: 320x256, 12u

FLIR Boson 640: 14mm lens, HFOV 32° - Resolution: 640x512, 12u

Dimensions

Weight: 1.32 lbs / 600 g

Dimensions: 4.9 x 3.9 x 3.3 inches / 125 x 98 x 83 mm

Image processing

Electronic stabilization, Moving target detection, Classification, Continuous zoom, Fusion, Software Boresight alignment, Custom integrations (through API)

Computing

Board: Nvidia Jetson Xavier NX

AI Performance: 21 TOPS (trillion (10¹²) Operations Per Second

GPU: 384-core NVIDIA Volta™ GPU with 48 Tensor Cores

CPU: 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3

Memory/ram: 8 GB 128-bit LPDDR4x 59.7GB/s

Power: 20W

Electrical

Connector: ODU GK0WAM-P16UB00-000L

Voltage input: 12-38V

Max Power consumption: 34W

Communication

Ethernet, Mavlink 2.0 out (bridged to ethernet), UART, CAN bus

Mechanical

IP65, Gas filled head, Direct drive, Continuous rotation on yaw and pitch, Absolute encoders, Mechanical mounting 4x M4 Square Ø68mm

Other

Non ITAR, BIS (Export controlled dependable on IR camera), Pointing accuracy: 0.07 degrees



Optroxa DVC HD+ help with situational awareness and detection. The system can work in conjunction with multiple cameras and multiple streams.

The Camera can also stream video feeds to other networks like ATAK and other services. Optroxa DVC HD+ is a computing core that will provide the user with a wide range of features.

Optroxa DVC HD+

Optics

RGB Camera: Sony IMX 296C, 1/2.9" CMOS sensor, color, SONY® Pregius, 1440 x 1080 pixel, 1.6MP, 60fps, Global shutter, FOV 95° or 50°, Trigger input/flash trigger output
Infrared camera: FLIR Boson 640
FLIR Boson 640: 14mm lens, HFOV 32°, 50fps

Image processing

Software stabilization, Tracking, Moving target detection, Classification, Camera fusion, Software Boresight alignment, Custom integrations (through API), Birds eye view (with multiple camera and MFD), 3D view (with multiple cameras and MFD), Radar View (with multiple cameras and MFD), Low Latency mode for driver assistance

Computing

Board: Nvidia Jetson Xavier NX
AI Performance: 21 TOPS (trillion Operations Per Second)
GPU: 384-core NVIDIA Volta™ GPU with 48 Tensor Cores
CPU: 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3
Memory/ram: 8 GB 128-bit LPDDR4x 59.7GB/s
Power: 20W

Electrical

Connector: AMPhenol 38999 or ODU AMC
Voltage input: 12-36V

Communication

Ethernet opt. PoE, CAN bus

Mechanical

IP68, Gas filled head, ML-810, Built in screen blower, Custom mounting and shape possible on request

Other

Non ITAR, BIS (Export controlled dependable on IR camera)



The tactical **Mast** can be used to elevate equipment while on the move. Mounted on a vehicle, it allows the user to quickly get a birds eye view of the surroundings, without having to rely on aerial vehicles.

The mast is suitable for mounting gimbals, antennas or light weapon platforms.

Unlike most tactical masts on the market, the unique UXV Technologies design puts all moving parts inside the mast.

This ensures the mast has a small footprint and does not take up much space on the vehicle.

The mast is controlled with CAN bus connection and can be connected in series with other electronics on the vehicles. The mast also comes with a manual control to lower/raise the mast without the use of a controller.

Mast

Dimensions

Footprint: 310 mm (500 mm with cover) / 12.2 in (19.7 in with cover)

Nested height: 1000 mm / 39.4 in

Erected height: 4050 mm / 159.4 in

Erection time: 30 sec

Weight: 70 kg / 154 lbs

Max payload weight: 60 kg / 132 lbs, 5/16 threads for payload mounting

Inputs connectors in base: CANBUS: 38999 A-35 style receptacle

Power and ethernet: 38999 J-24 style receptacle

Output for payload: 38999 J-24 style receptacle

IP class: IP 66

Features

Toggle switch for manual lifting/lowering

Power and signals connects in base

Wire for payload is built into mast cover

Output with PoE

Emergency port for manual lowering if no power is available

Transport lock for safe transportation

Terms of Payment, Delivery, and Complaints

Payment

Payment shall be made in accordance with the conditions of payment stated on the quote/invoice. All expenses related to purchase on credit, including bank charges and other charges, shall be paid by the customer. If the purchase sum is not paid by the due date, default interest will be calculated from the date when payment was due at a rate which currently is 1% per commenced month. If sums payable are not paid as they fall due, the remainder of the purchase price for all goods delivered shall fall due for payment with immediate effect regardless of previously agreed credit terms. In this case UXV Technologies shall be entitled with immediate effect to cancel further deliveries and to cancel wholly or in part other contracts for goods not yet delivered.

Delivery

UXV Technologies apS's delivery terms are EX WORKS (Incoterms 2000). Delivery times are stated according to UXV Technologies ApS's best estimates. Goods shall be forwarded at the customer's expense and risk regardless of whether UXV Technologies ApS's lays out the expenses of forwarding. If no specific form of transport has been agreed, goods ordered will be forwarded by the form of transport which UXV Technologies ApS finds most appropriate at any time. If the customer cancels the purchase as a result of significant delay, the customer shall at no time be entitled to compensation exceeding 5% of the purchase price.

Complaints and return of goods

The goods delivered shall be inspected immediately on arrival. UXV Technologies shall be notified in writing without undue delay and no later than eight days after the delivery has been received, of any defect, which is discovered through such inspection and for which a claim against UXV Technologies ApS will be made. Goods may not be returned without UXV Technologies ApS' prior consent in writing.

Jurisdiction

UXV Technologies ApS is operated under Danish law and any court proceedings related to this quote will take place in a Danish court.

Buying process and development kit

If you want to buy a product from UXV Technologies the first step is to buy our development kit. You choose which Ground Control Station you are interested in and within 10 working days you will have your Development kit delivered, ready to test the different options before you decide on your final solution. If you want to move forward after trying out the Development kit, you move on to the requirement phase. Here you will be teamed up with one of our engineers or technical sales representatives and together you will fill out a requirement sheet. When the requirement sheet has been locked-in, both parties will sign the document and we will calculate the price and lead time.