

nexTER
ROBOTICS

EQUIPMENT

CONTROL STATIONS

NERVA® PRODUCT LINE



CREATING NEW REFERENCES IN DEFENSE

nexTER **K+N**
A COMPANY OF **D+S**

RUGGED CONTROL STATIONS



PORTABLE CONTROL STATION

NCCS-FZM1

Based on ruggedized
PANASONIC
ToughPad FZ-M1

CONTROL STATION FOR VEHICLES

NCCS-CF19

Based on ultra-rugged
PANASONIC CF 19

GENERAL FEATURES FOR BOTH CONTROL STATIONS:

- Compatible with all robots of NERVA range
- Interface/texts in English or French (other languages on request for free)
- Allow control of all NERVA native capabilities and all additional Modules
- High performance OFDM radio: 2.4 GHz (export control: Standard WIFI in case of restriction)
- With small antenna (for dismounted use) and cable for connection to remote antenna (typically to be placed on vehicle roof)

PORTABLE CONTROL STATION:

- Display 7-inch touchscreen
- Integrated mini-joystick and tactile buttons
- Operation duration when battery powered: 2 hrs.

CONTROL STATION FOR VEHICLES:

- Display 10.1-inch Touchscreen
- Joystick, push-buttons and Leds
- Operation duration when battery powered: 10 hrs.



DRIVING PAGE



DESCRIPTION:

On Driving page, the front camera is displayed full screen and any other on-board camera (including the one in optional payload, if any) can be displayed in picture-in-picture. The PIP window can be moved anywhere on the screen by using intuitive tactile control; this is useful to avoid an interesting area displayed by the front HD camera to be hidden. It is also possible to switch from thumbnail size to medium size by clicking on the icon located at the bottom right of the PIP window.

VIEW PAGE



DESCRIPTION:

On View page, all integrated cameras are displayed together, allowing cameras to be used for display inlay. All camera commands (lighting and zoom) are accessible from this page. White or Infrared lights, light level and zoom are selectable within a second in one touch. The robot status are always displayed at the top right corner of the screen, showing: general state of the robot, GPS signal quality, radio link quality, robot battery gauge.

MAP PAGE



DESCRIPTION:

In Map page (and when GPS signal has been acquired), the map of the mission area is automatically displayed (if previously downloaded) with current position and orientation of the robot. Image from the front HD camera is always displayed as a PIP overlay. The current robot coordinates (latitude and longitude) are digitally displayed in real time (decimal format) at the top middle of the Map display (just below the "MAP" text). Several maps of different areas can be previously downloaded in the system.

PAYLOAD PAGE



DESCRIPTION:

On Payload page, all integrated payloads are displayed, allowing the operator to start immediately. Additional module icon is shown on the bottom of the screen. Additional modules are Plug&Play in 1-click. Once plugged, the software recognizes automatically the payload allowing a quick and brief installation for the operator. Additional modules that can be used: chemical detection, disruptor support, PTZ camera, infrared camera, etc.

TAKING SNAPSHOTS



DESCRIPTION:

Taking a snapshot is as simple as you just need to click on the lower left button available on any displayed page. It will then take a snapshot of the displayed page (Driving, View or Map). When Driving page is displayed, the snapshot also includes PIP view. Snapshots can be used for debriefing, training, mission report, proof, etc. Taking snapshots takes only one second and one touch. All hardware is integrated into the control station, no external hard drive is required.

RECORDING VIDEOS



DESCRIPTION:

Video recording is accessible through the multimedia bar. Record/player bar appears by double clicking or long pressing on the snapshot icon. From this sub-menu, it is possible to start recording (red button) or get access to the integrated player (play button). Automatically, the 30-second preceding clicking are recorded, on any recorded camera. This blackbox feature allows to not miss the event that led to trigger the record.

USE YOUR OWN MATERIAL: PC, TABLET, SMARTPHONE



DESCRIPTION:

Thanks to our bridge module, you can use your own standard device: any PC, tablet or smartphone. Several team members are therefore able to view the robot situation (video + sound) and may take the control of it if necessary. This enables a complex architecture : first assault operator, other assault members, outdoor team, vehicle commander, etc.

Your Agent