

OBSERVATION & RECONNAISSANCE

NERVA® PRODUCT LINE



PAN TILT RUGGED OBERVATION TURRET



DAY CAMERA
NMKO-PTZ1L



TURRET:

- Rotation angles:
- Pan: 360° continuous
 - Tilt: -15°/+90° with auto flip

- Rotation speeds:
- Pan: 0,03°/s – 60°/s
 - Tilt: 0,2°/s – 40°/s

DAY CAMERA:

- High sensitivity day camera (0.01 lux)
- Optical zoom: x36 (and digital 12x)
- View angles: 57.8° (wide) to 1.7° (tele)
- F = 3.4mm ~ 122.4mm
- F1.6 to F4.5
- IP index: IP66

INTEGRATED LIGHTS:

- IR wave length: 850nm
- Range: 60m
- On/off: Auto/Manual



DAY & THERMAL INFRARED CAMERA
NMKO-PTZ2



TURRET:

- Rotation angles:
- Pan: 360° continuous
 - Tilt: 0/90°

- Rotation speeds:
- Pan: 0,05°/s – 220°/s
 - Tilt: 0,03°/s – 140°/s

DAY CAMERA:

- High sensitivity CCD (0.01 lux)
- Optical zoom x36
- f= 3.4 – 122.4 mm
- F1.6 – F4.5

THERMAL CAMERA:

- 8-12µm band
- 640x480 uncooled thermal imager
- Thermal sensitivity < 50mK
- Frame rate: 9Hz (standard ; 25Hz on request)
- Focal lens to be specify when ordering, from 7,5mm to 25mm (respectively from 90° to 25° Horizontal Field of View)

NIGHT OBSERVATION



INFRARED THERMAL CAMERA
NMKO-IR1



DESCRIPTION:

- 8-12µm band
- 640x480 uncooled thermal imager
- Thermal sensitivity < 50mK
- Frame rate: 9Hz (standard ; 25Hz on request but ITAR licence is required)
- Focal lens to be mentioned on order, from 7,5mm to 25mm (respectively from 90° to 25° Horizontal Field of View)
- NERVA Plug & Play

VEHICLE INSPECTION



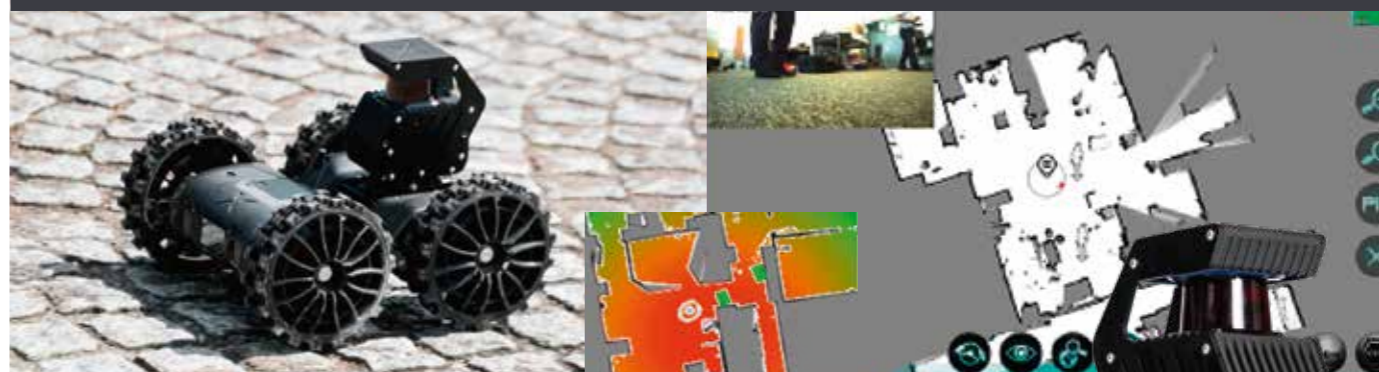
UNDER CAR OBSERVATION
NMKO-UCO



DESCRIPTION:

- "Set of 4-special wheels for lateral movement (NLGSP-SWW)" recommended for better result
- Fisheye lens for 180° instantaneous vision
- 5 Mpixels camera (2500x2000)
- On-board image processing for undistorted images
- With integrated visible and infrared lighting
- Adjustable brightness 0-100%
- NERVA Plug & Play

AUTONOMOUS 2D MAPPING SYSTEM



2D MAPPING SYSTEM
NMKO-MAP



DESCRIPTION:

- Automatic construction of 2D map
- Day and night operation
- Better for indoor use
- Allow input of waypoints and patrolling paths on built 2D map, for autonomous navigation and patrolling
- Automatic actions can be defined at each waypoint (wait for xx seconds, taking a photo, video recording, etc.)
- Automatic stop in case of obstacle detected on robot path
- Indication of mobiles objects

LASER DESIGNATOR, LAMP, LASER-RANGE FINDER...



GENERIC SUPPORT

NLGMKSP-PICBOX



VARIOUS EQUIPMENT:

- Standard module (Plug & Play 1-click) with one short Picatinny rail, to be equipped with any compatible equipment: lamp (visible or IR), laser designator, laser range finder, etc.

REMOTE ON / OFF SWITCH USE:

- Extended range of standard operations
- Protect personnel (cave exploration, etc.)

COMMUNICATE, NEGOTIATE



2-WAY AUDIO INTERCOM

NLGMKSP-BAUDI



DESCRIPTION:

- To enable NERVA operator to talk with people close to the robot
- Combines high sensitivity microphone with high-power loudspeaker
- Can also generate pre-recorded sounds or messages (configurable)
- NERVA Plug & Play

360° INFRARED ILLUMINATION



PANORAMIC IR LIGHT

NLGMKSP-IRBAR



Your Agent

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