



## 01 / CAPABILITY OVERVIEW

# PBPS-19

PBPS-19 portable observation and measuring system



FIG 01 PRODUCT CONFIGURATION

 **$\geq 180\text{-}20000\text{ m}$** 

DISTANCE MEASURING RANGE

 **$\geq 6$   
measurements/min**

MEASURING DISTANCE FREQUENCY

**Class 1 (IEC 60825)  
or Nd:YAG**

LASER TYPE

**1064 nm or 1540  
nm**

LASER WAVELENGTH

## 01.1 / OVERVIEW

Multisensor optoelectronic observation and measuring system on a pan-tilt positioner, with eye-safe rangefinder, day channel and thermal camera.

## TYPE

Observation device

## PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



## 02 / TECHNICAL SPECIFICATION

# TECHNICAL DATA

PBPS-19 / TECHNICAL EQUIPMENT

## PERFORMANCE

|                              |                                  |
|------------------------------|----------------------------------|
| Distance measuring range     | $\geq 180\text{-}20000\text{ m}$ |
| Measuring distance frequency | $\geq 6\text{ measurements/min}$ |

## PHYSICAL DATA

|                  |                    |
|------------------|--------------------|
| Laser wavelength | 1064 nm or 1540 nm |
|------------------|--------------------|

## ADDITIONAL TECHNICAL DATA

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Laser type                  | Class 1 (IEC 60825) or Nd:YAG                        |
| Laser beam divergence       | $\leq 1.3\text{ mrad}$                               |
| Distance measuring accuracy | $\pm 2\text{ m}$                                     |
| Measured distance display   | for 2 targets                                        |
| Day channel                 | Optical zoom 30x, digital zoom 16x                   |
| Thermal camera              | Uncooled VOx, 640x512 pixels, digital zoom 2x and 4x |
| Digital magnetic compass    | Vertical angle accuracy 0.5 deg, 20 measurements/s   |
| GPS position accuracy       | 2 m horizontal / 4 m vertical                        |
| Pan-tilt accuracy           | 0.05 deg                                             |
| Communication               | Ethernet 10/100 Base-T / WiFi; data transfer RS232   |



03 / CONFIGURATION VIEWS

# CONFIGURATION VIEWS

PBPS-19 / SUPPLEMENTARY CATALOGUE VIEWS

FIG 02 / control terminal

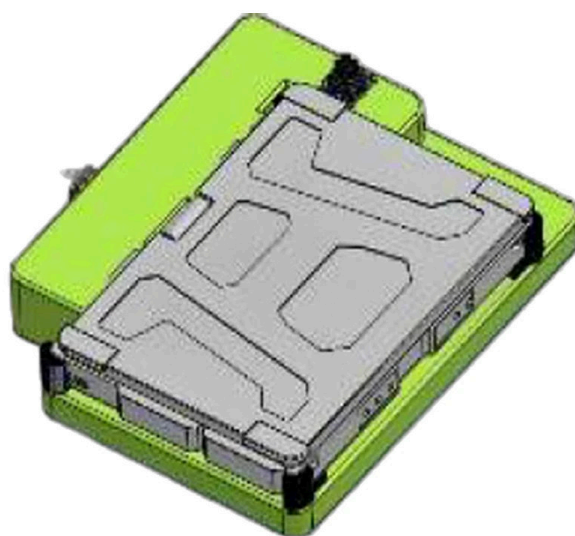


FIG 03 / power supply unit

