

# SMART HELMET

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CE

0497



CNBOP-PIB  
1438



# SMART HELMET

**EN 443**  
**EN 16471**  
**EN 16473**



# CALISIA VULCAN CV104

- 1. 4K camera** – integrated into the helmet shell, enables video transmission in optimized resolution to the commanding center;
  - the image transmitted in real time enables the observation and command of the rescue and firefighting operation without the need to be directly present at the site;
  - the option of sharing broadcasts with many authorized recipients helps using the experience of rare events experts in difficult operations;
  - an additional option of video recording makes it possible to analyze the course of the events and provides training material.
- 2. The LWIR (longwave infrared) thermal imaging camera.** In conditions of limited visibility, transmits in real time the thermal profiles of missing persons, fires, hot spots with the option of choosing the colors of the thermal image visualization;
  - the image is simultaneously visible on the near-field display/helmet visor and transmitted to the commanding center.
- 3. The near-field display** located at the firefighter's eye level (adjusted precisely by a knob), enables to watch the action through the thermal imaging camera while the field of view is not limited.
- 4. The helmet shell and the camera housing** are made of fire-retardant polyamide reinforced with glass fiber, manufactured by injection, which guarantees very high mechanical and thermal resistance.
- 5. The inner face shield of the helmet** made of material resistant to high temperature, flame, and chemicals, meets the requirements of the EN 14458 standard and can be used simultaneously with the SCBA.
- 6. The comfortable and soft helmet inner** ensures the comfort of using, washing, and disinfecting thanks to the detachable system of chin straps, without the need for tools.
- 7. Height and head size regulation** (from 47 to 68 cm) with no need to take the helmet off.
- 8. Integrated multifunctional socket** on both sides of the helmet for the SCBA and flashlights.

## Selected operating parameters

- maximum battery life up to 6 hours,
- recommended continuous working time up to 2 hours,
- built-in signaling indicator of device activity and battery charge level,
- built-in USB-C socket for charging the battery,
- WiFi data transmission system – using a router attached to the helmet or an access point created on a smartphone (local hotspot),
- easy Smarthelmet application (computer, tablet, smartphone) enables activation and management of individual Smart Helmets in a given unit.

# SMART HELMET

WWW.SMARTHELMET.PL



WEBSITE