

FIRE HELMET

SMART HELMET**TYPE CALISIA VULCAN MAX CV 104**

- ✓ Smart Helmet – type B fire helmet.
- ✓ Category 3 personal protective equipment item.
- ✓ Complies with Regulation (EU) 2016/425 and the following harmonised standards:
 - ▶ EN 443:2008 Helmets for firefighting in buildings and other structures.
 - ▶ EN 16471:2014 Firefighters helmets. Helmets for wildland fire fighting.
 - ▶ EN 16473:2014 Firefighters helmets. Helmets for technical rescue.
 confirmed by a certificate issued by Notified Body No. 0497 CSI S.p.A.
- ✓ Certificate of admittance issued by Notified Body No. 1438 CNBOP-PIB.
- ✓ Certificate ATEX for camera module.



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.

