

## ACCOLADE Thermal imaging binoculars

ACCOLADE is a new model range of thermal imaging binoculars from PULSAR with built-in video recorder, stadiametric rangefinder, Wi-Fi module and long-life quick-change battery. Based on a quality thermal imaging sensors with resolution 640x480 and 384x288 with 17  $\mu\text{m}$  pixel pitch ACCOLADE is able to produce a highly detailed image at 50 frames per second in complete darkness.



### Features

- High resolution thermal imaging sensor
- Long detection distance 1800m (2000 yd)
- Smooth and incremental digital zoom
- Comfortable for long observation
- Variable interpupillary distance
- High refresh rate 50 Hz
- Built-in video recorder
- Built-in Wi-Fi module
- Wi-Fi video transmission
- Live internet video sharing
- Frost resistant AMOLED display
- Magnetic compass
- Stadiametric rangefinder
- Quick-change long-life rechargeable battery packs
- Fully waterproof IPX7



### Technical specifications

|                                     | Accolade XQ38 | Accolade XP50 |
|-------------------------------------|---------------|---------------|
| Type of microbolometer              | Uncooled      | Uncooled      |
| Frame rate, Hz                      | 50            | 50            |
| Microbolometer resolution, pixels   | 384x288       | 640x480       |
| Pixel pitch, $\mu\text{m}$          | 17            | 17            |
| Display type                        | AMOLED        | AMOLED        |
| Display resolution, pix.            | 640x480       | 640x480       |
| Magnification, x                    | 3,1-12,4      | 2,5 - 20      |
| Digital zoom, x                     | 2/3/4         | 2/4/8         |
| Lens focus, mm                      | 38            | 50            |
| Relative aperture, D/f'             | 1:1,2         | 1:1,2         |
| Field of View,° horizontal/vertical | 9,8/7,4       | 12,4/9,3      |
| Minimum focusing distance, m        | 3             | 3             |
| Eye relief, mm                      | 16            | 16            |
| Exit pupil, mm                      | 5             | 5             |

|   |                         |                         |
|---|-------------------------|-------------------------|
| <b>Diopter adjustment, dptr.</b>                  | +/-5                    | +/-5                    |
| <b>Interpupillary distance, mm</b>                | 56-71                   | 56-71                   |
| <b>Detection range, m (object H/W = 1,7/0,5m)</b> | 1350                    | 1800                    |
| <b>Built-in video recorder</b>                    | yes                     | yes                     |
| <b>Built-in memory size, Gb</b>                   | 8                       | 8                       |
| <b>Built-in Wi-Fi module</b>                      | yes                     | yes                     |
| <b>Stream Vision application support</b>          | yes                     | yes                     |
| <b>Micro USB socket</b>                           | Power/data              | Power/data              |
| <b>Stadiametric rangefinder</b>                   | yes                     | yes                     |
| <b>Color palettes</b>                             | yes                     | yes                     |
| <b>Power supply, V</b>                            | 3,0-4,2                 | 3,0-4,2                 |
| <b>Battery type</b>                               | Pulsar B-Pack(Li-ion)   | Pulsar B-Pack(Li-ion)   |
| <b>Battery life, hour</b>                         | 7                       | 7                       |
| <b>External power supply</b>                      | 5V Micro USB            | 5V MicroUSB             |
| <b>Tripod mount, inch</b>                         | 1/4                     | 1/4                     |
| <b>Operating Temp, °C</b>                         | - 25 ... +50            | - 25 ... +50            |
| <b>Waterproof</b>                                 | IPX7                    | IPX7                    |
| <b>Calibration (nonuniformity correction)</b>     | manual, auto, semi-auto | manual, auto, semi-auto |
| <b>Length, mm</b>                                 | 164                     | 164                     |
| <b>Width, mm</b>                                  | 130                     | 130                     |
| <b>Height, mm</b>                                 | 64                      | 64                      |
| <b>Weight (without batteries), kg</b>             | 0,6                     | 0,6                     |