

MPN: 0070-09104

## Deimos-Ultra-OWL-Thermal 3.5mm Dual Sensor Camera - NDAA

The Bispectral series camera the best in both thermal and visible imaging technologies for real-time scene views for the most challenging surroundings. This means in any lighting condition—wind, rain, fog, snow—your security cameras will be able to capture the incident as it unfolds, send an alert to relevant personnel or deter intruders with sound and light, and collect detailed information to for forensic review.



Ernitec provides humanoid, vehicle detection and powerful behavior analyses (intrusion, single line crossing, double line crossing, loitering, wrong-way, enter area and leave area, people counting) for thermal cameras are based on deep learning algorithm, allowing Camera alarm accuracy and reduction of false alarms.

This bi-spectral camera focuses on infrared temperature measurement algorithms, which can intelligently detect events such as smoking, fire points, smoke and fire.

With multiple fields of view options, dual stream capabilities, and optional electric focusing lenses, these fixed cameras can be mounted on the structure you need to solve the requirements of special scenes and achieve remote monitoring objectives.

- Uncooled VOx Micro bolometer with 256 × 192 resolution
- Thermal: 3.5mm, 7mm & 10mm fixed lens options. Visible 4 & 8mm fixed lens options
- Visible: 1/2.7" 2880 x 1620 resolution Sensor
- Support human and vehicle detection
- Support smoker detection, smoke & fire detection and fire point detection
- Support 3 temperature measurement rule types (spot, line, area)
- Support sound-light alarm
- Smart IR distance up to 55m
- Support I/O alarm, RS485, built-in SD card slot
- Accessories: 0070-11861 (corner mount), 0070-11813 (back box), 0070-11852 (pole mount)

## Specifications

|        |                                            |                 |
|--------|--------------------------------------------|-----------------|
| Audio  | Audio formats supported                    | G.711, PCM      |
|        | Audio input channels                       | 1 channels      |
|        | Audio output channels                      | 1 channels      |
|        | Built-in speaker(s)                        | Yes             |
| Camera | Camera pan control                         | No              |
|        | Field of view (FOV) angle (thermal module) | H: 48°, V: 36 ° |
|        | Lens viewing angle, horizontal             | 92 °            |
|        | Lens viewing angle, vertical               | 46 °            |
|        | Minimum illumination                       | 0.05 lx         |

|                        |                                              |                                            |
|------------------------|----------------------------------------------|--------------------------------------------|
| Design                 | International Protection (IP) code           | IP66                                       |
|                        | Mounting type                                | Ceiling/Wall/Pole                          |
|                        | Product colour                               | White                                      |
|                        | Weatherproof                                 | Yes                                        |
| Features               | NDAA Compliance                              | Yes                                        |
| Image sensor           | Effective sensor resolution (thermal module) | 256×192 pixels                             |
|                        | Number of effective pixels (H x V)           | 2880×1620 pixels                           |
|                        | Number of sensors                            | 2                                          |
|                        | Optical sensor size                          | 1/2.7 "                                    |
|                        | Progressive scan                             | Yes                                        |
|                        | Sensor type                                  | CMOS                                       |
|                        | Sensor type (thermal module)                 | Vanadium Oxide Uncooled Focal Plane Arrays |
| Lens system            | Fixed focal length                           | 4 mm                                       |
|                        | Fixed focal length (thermal module)          | 3.5 mm                                     |
|                        | Focal length range                           | 4 mm                                       |
| Network                | Ethernet LAN                                 | Yes                                        |
|                        | Wi-Fi                                        | No                                         |
| Night vision           | Infra-red wavelength                         | 850 nm                                     |
|                        | LED type                                     | IR                                         |
|                        | Night vision                                 | Yes                                        |
|                        | Night vision distance                        | 55 m                                       |
| Operational conditions | Operating relative humidity (H-H)            | 0 - 90 %                                   |
|                        | Operating temperature (T-T)                  | -40 - 60 °C                                |
| Other features         | Audio output                                 | 1                                          |
|                        | Dimensions (WxDxH)                           | 303 × 95 × 107 mm                          |
| Performance            | Alarm input/output                           | Yes                                        |
|                        | Built-in light                               | Yes                                        |
|                        | Connectivity technology                      | Wired                                      |
|                        | Dynamic range                                | 120 dB                                     |
|                        | Infrared (IR) cut-off filter                 | Yes                                        |
|                        | Number of languages                          | 8                                          |
|                        | Placement supported                          | Indoor & outdoor                           |
|                        | Thermal module                               | Yes                                        |
|                        | Thermal sensitivity (NETD)                   | 50 mK                                      |
|                        | Type                                         | IP security camera                         |
|                        | Wide Dynamic Range (WDR)                     | Yes                                        |
| Ports & interfaces     | Ethernet LAN (RJ-45) ports                   | 1                                          |
|                        | RS-485 ports                                 | 1                                          |

|                    |                                                      |                                                             |
|--------------------|------------------------------------------------------|-------------------------------------------------------------|
| Power              | Power consumption (max)                              | 12 W                                                        |
|                    | Power over Ethernet (PoE)                            | Yes                                                         |
|                    | Power source type                                    | PoE, DC                                                     |
| Security           | Alarm input channels                                 | 2                                                           |
|                    | Alarm output channels                                | 2                                                           |
|                    | Fire detection                                       | Yes                                                         |
|                    | Human and vehicle targets classification             | Yes                                                         |
|                    | Intelligent Video Surveillance (IVS) system features | Intrusion, Line crossing detection, People counting         |
|                    | Mirror                                               | Yes                                                         |
|                    | Temperature measurement range                        | -20 - 150 °C                                                |
|                    | Temperature sensor                                   | Yes                                                         |
|                    | Video motion detection                               | Yes                                                         |
| Storage            | Card reader integrated                               | Yes                                                         |
|                    | Maximum memory card size                             | 256 GB                                                      |
| Technical details  | Warranty period                                      | 5 year(s)                                                   |
| Vendor information | Brand Name                                           | Ernitec                                                     |
|                    | Homepage                                             | <a href="http://www.ernitec.com">http://www.ernitec.com</a> |
|                    | Warranty                                             | 5 Year(s)                                                   |
| Video              | 3D NR (Noise Reduction)                              | Yes                                                         |
|                    | Bit rate control                                     | Constant Bit Rate (CBR)/Variable Bit Rate (VBR)             |
|                    | Privacy masking                                      | Yes                                                         |
|                    | Total megapixels                                     | 4 MP                                                        |
|                    | Video intelligence analytic                          | Yes                                                         |

## Other images

