

DAY&NIGHT MINIATURISED VIDEO SENSORS BLOCK FOR UNMANNED AERIAL VEHICLES



GENERAL CHARACTERISTICS

- Captures MP4 video as well as JPEG stills
- Thermal and Visible Camera Enclosed In One Package
- Ruggedized Lightweight PVC Enclosure (Aluminum Optional)
- **Supply voltage:** 12V DC
- **Consumed power:** ~3W
- **Operation temperature:** -20°C – 50°C
- **Storage temperature:** -40°C – 50°C
- **Weight:** ~500 g
- **Size:** 88x12x65(LxWxH) mm
- Dual camera control: PWM 1000 to 2000 μ s, Standard RC receiver

CCD CAMERA

- Image sensor: 440000 pixels
- Lens: 10X zoom, f=4.2 mm (wide) to 42 mm (tele)
- Digital zoom: 4X
- Field of view: 46° (wide end) to 5° (tele end)
- Minimum illumination: 2.0 lx (50 IRE)
- Video output: analog PAL

THERMAL CAMERA

- Sensor type: 640x512 VOx Microbolometer
- Pixel size: 17 μ
- Spectral band: 7.5 – 13.5 μ m
- Performance: <30 mK @f/1.0
- Video output: analog PAL
- Image control: continuous 6X digital zoom, image polarity, AGC, DDE (digital detail enhancement), BPR, NUC

DRI

(detection, recognition, identification)

Man: Detection: 1280 m
Recognition: 320 m
Identification: 160 m

Vehicle Detection: 3850 m
Recognition: 950 m
Identification: 295 m

DAY&NIGHT MINIATURISED VIDEO SENSORS BLOCK FOR UNMANNED AERIAL VEHICLES

The Video Sensors Block contains a complete package that includes everything needed to get flying in minutes. It could be mounted both on rotary or fix wings aerial vehicles. The product solves a number of tasks at low cost:

- Monitor roof conditions to reduce risk to fire fighters
- The power to see through smoke and keep an eye on your personnel in complex fire scenes
- Inspect a roof in minutes, when it used to take hours
- Find water damage and other roofing problems quickly and easily
- Prove that repairs have been done right
- Inspection of high voltage pylons

