

ASHS(35)

Thermal + Day / Night binoculars

Dual-channel hybrid system ASHS is the multi-purpose device for all-weather and 24/7 surveillance within a wide spectral range from 0.4 to 1.1 microns and from 8 to 14 microns. Low light CMOS SWIR sensor and bolometer with digital processing delivers high quality imagery in SWIR and LWIR. Combination of narrow FOV Infrared channel for identification and wider FOV thermal imager for detection delivers 2 in 1 functionality in less than a 2kg weight device.



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OPTIONAL

- GPS / DMC for precision targeting
- NIR 985 or 1065 nm user selectable illumination / pointer
- ATAK compatibility (KLV streaming, CoT)
- 50mm Thermal lens

SPECIFICATIONS		
PRODUCT	ASHS(35) v2.3	
	Thermal	Digital VIS+NIR
SENSOR		
Sensor type	VOx	CMOS
Resolution	640 x 480	1280 x 960
Frame rate	50 Hz	
Pixel pitch	12 μm	5 μm
Thermal sensitivity (system)	< 40 mK (0.035°C)	0.00002 Lx
Spectral range	8 ... 14 μm	0.4...1 μm
Shutterless calibration	Yes	
OPTICAL		
Lens	F1.0/35mm	F1.5/35mm
Eyepiece	+/-4 diopter	
FOV	12.5°x10°	6.5°
Magnification	1.5X	4.7X
Digital zoom	2X, 3X, 4X	none
LASER RANGE FINDER		
Laser	1550nm	
Range	2500+ m	
Accuracy	1 m	
SYSTEM		
Display resolution (pixels)	OLED, 1024 x 768 pixels	
Built in video record	Yes	
Battery life (20°C)	4-6 h	
External	Power supply / USB / PAL	
PHYSICAL & OPERATIONAL		
Body	T6 / Composite	
Level of protection	MIL-STD-810	
Operating temperature	-35°C to +55°C	
Dimensions, mm	170×160×60	
Weight, kg	1,5	
Warranty	2 Years	