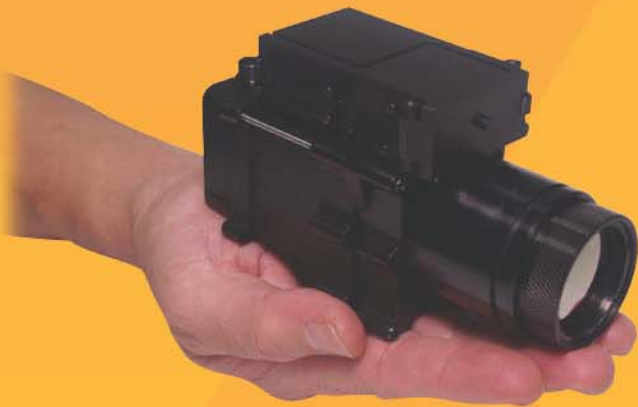


ADLERTECH SYSTEMS

HM110

Helmet Mounted System



The HM110 helmet mounted infrared camera is based on a state-of-the-art 384x288 shutterless, uncooled Alpha Silicon 8-14 μ micro-bolometer detector producing 110,592 effective pixels powered by Thermoteknix. HM110 is a small and light weight helmet mount Thermal Imaging camera, base on Thermoteknix unique Miricle® shutterless technology. it can be used by public safety departments and the military for surveillance and observation.

HM110 can detect objects in pitch-dark, smoky and hazy conditions by sensing infrared energy of objects.



ADLERTECH SYSTEMS

HMI10

Helmet Mounted System



SPECIFICATIONS

Camera Performance

FPA Detector:	Alpha Silicon uncooled micro-bolometer
Pixel Array:	384 x 288 (110,592 effective pixels)
Spectral Response:	7-14 μm (filter bandwidth)
Start-Up Time:	< 1 sec
Contrast/Brightness:	Standard (factory preset)
Infrared Polarity:	White Hot, Black Cold
Range:	Up to 850 meters (Human Activity)
NETD:	<50mK @ 30°C
Pixel Pitch:	25 μ
IFOV:	0.78 mrad with standard 32mm f/1.0 lens
Standard Frame Rate:	50 Hz
Dynamic Rate:	14 bit
Focus:	Manual
Hyper Focal Distance:	~ 5 meter
Video Output Format:	PAL
Viewfinder Display:	OLED Display
Power Source:	4 x CR123 Batteries
Operating Time:	< 3 hours with Lithium battery at 25°C ambient
Operating Temperature:	-20°C to 60°C
Storage Temperature:	-20°C to 80°C
Waterproof:	Up to 1.2m submersion
Weight:	550g with batteries

Display

Display:	AMOLED
Video Format:	PAL
Controls:	Power, and Brightness
Configuration:	Helmet or Eyewear

US Government Export License Authorization Not Required

All specifications are subject to change without notice.

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