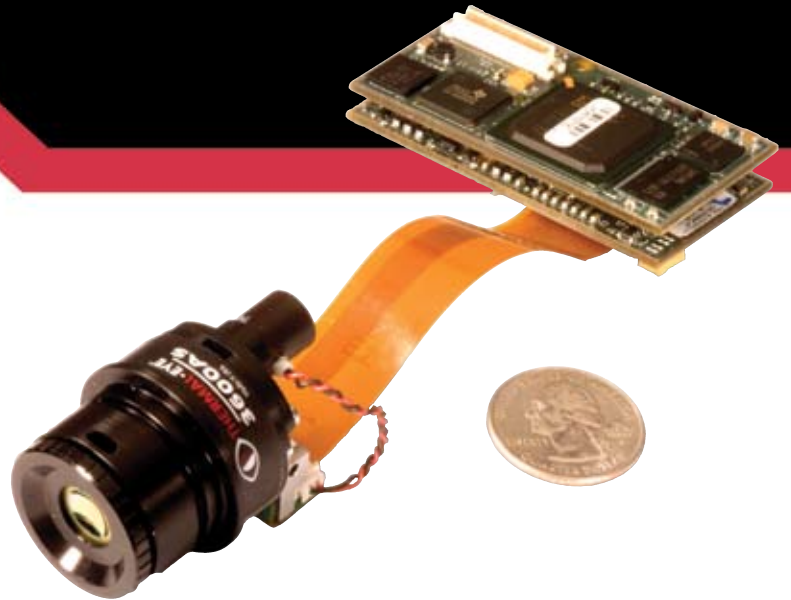


3600AS

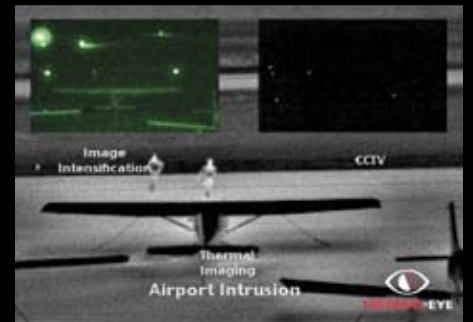
- Our lightest and smallest, long wavelength infrared camera core
- Uses proven Amorphous Silicon Microbolometer detector technology (30µm 160 x 120 pixel array)
- Built on its predecessor (3500AS), the 3600AS is utilized in security, military, public safety and other versatile applications



FEATURE	BENEFIT
SEAL-READY PACKAGING DESIGN	Seal-ready optics housing and optics assemblies for easy OEM integration
SMALL SIZE & BEST-IN-CLASS POWER CONSUMPTION	Smaller CCA size (compared with 3500AS) for improved packaging flexibility and best-in-class <1.2W power consumption
30 MICRON DETECTOR	Provides real-time 30Hz frame rate, plus state-of-the-art thermal sensitivity and dynamic range
ADVANCED IMAGE PROCESSING	Sophisticated histogram-based image processing and 640x480 video output resolution for best-in-class image quality at all times
CUSTOMIZABLE ABSOLUTE COLOR	Patent pending non-linear colorization allows OEMs to define multiple color set points for quick, intuitive temperature recognition
WORLDWIDE VIDEO COMPATIBILITY	Selectable real-time NTSC or full-format PAL video output
FLEXIBLE	Sophisticated GUIs for OEM customization
OPEN ARCHITECTURE	Expansion port provides access to data along video processing chain for advanced OEMs*
INTEGRATION SUPPORT	Efficient and knowledgeable integration support available



Perimeter Security

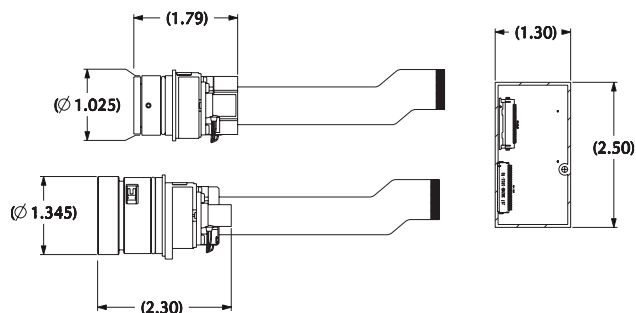


Homeland Security

*Contact L-3 at 800-990-3275 and ask for Technical Support to see if you qualify as an advanced OEM

3600 TECHNICAL SPECIFICATIONS:

FEATURES		THERMAL-EYE™ 3600AS	THERMAL-EYE™ 3620AS	THERMAL-EYE™ 3640AS
Focal Plane Array	Material, Structure & Format	Amorphous Silicon Microbolometer (160 x 120 pixel array)		
	Spectral Response	7-14 μm (filter bandwidth)		
	Thermal Sensitivity	<50mK		
	Refresh Rate	Real-time 30Hz		
Thermal Imaging System Performance	Start-up Time	2.4 sec +/-10% (@25°C)		
	Contrast / Brightness	Automatic/Advanced Image Processing		
	Saturation Temperature	1100°F (600°C) +/-10% w/ automatic electronic iris		
	Range to Detect Human Activity	Up to 330 feet (100m)	11° FOV: up to 1500ft (475m) 17° FOV: up to 1000ft (305m) 32° FOV: up to 550ft (170m)	Up to 700 feet (215m)
Optics	Focal Length	5.8mm	25mm; 16mm; 8.5mm	11mm
	Field of View	~50° x 37°	~11° x 8°; ~17° x 12°; ~32° x 24°	~25° x 18°
	Focus Method	Manual/Temperature stabilized	Manual	Manual
Video	Analog Output	NTSC (color); Real-time 30Hz Frame Rate PAL (color); Real-time 25Hz Frame Rate		
	Digital Output (optional)	Full-resolution, 16-bits (corrected or uncorrected) or 24-bits (RGB color), plus control signals; 30Hz Frame Rate (NTSC) or 25Hz Frame Rate (PAL)		
	Output Resolution	NTSC: 640 x 480 pixels for higher clarity thermal images & symbology overlay PAL: 768 x 574 pixels for higher clarity thermal images & symbology overlay		
	Absolute Color	3 OEM selectable color points are mapped to absolute temperatures		
Power	Input Voltage	2 to 3.2 VDC & 8 to 16 VDC		
	Input Power	~1.2 W @ 25°C ambient, 3 VDC		
Controls	Camera Setup & Communication	USB (compatible with the USB 2.0 specifications)		
Physical Characteristics	Size	See diagram below		
	Weight	2.38 oz (67.5 g)		
	OEM "Seal-ready" Design*	No	Yes (11° FOV; 17° FOV) No (32° FOV)	No
Environmental Characteristics	Operating Temperature	-4°F to 185°F (-20°C to 85°C)		
	Storage Temperature	-40°F to 221°F (-40°C to 105°C)		
Ordering Information	Part Number	7070030-0001	11° FOV: 7070040-0001 17° FOV: 7070040-0002 32° FOV: 7070040-0003	7070035-0001
Additional Camera Functions	<ul style="list-style-type: none"> Expansion port with real-time digital video and USB 2.0 compatible controls interface (works with USB and hi-speed USB systems, peripherals and cables) Customizable absolute temperature colorization White-hot or black-hot polarity selectable Electronic zoom from 2X to 5X and electronic iris Selectable temperature indication of scene at central crosshair Optional GUIs for customization and control (user parameters, symbology overlay, color, real-time control) 			



*Optics/Head is sealed to 3 meter submersion: IEC529, Ipx8

Specifications subject to change without notice

Thermal-Eye 3600AS Series 3000008 Rev B July 2005

This material is L-3 Infrared Products general capabilities information and does not contain any controlled technical data as defined within the International Traffic in Arms Regulations (ITAR) or Export Administration Regulations (EAR).

