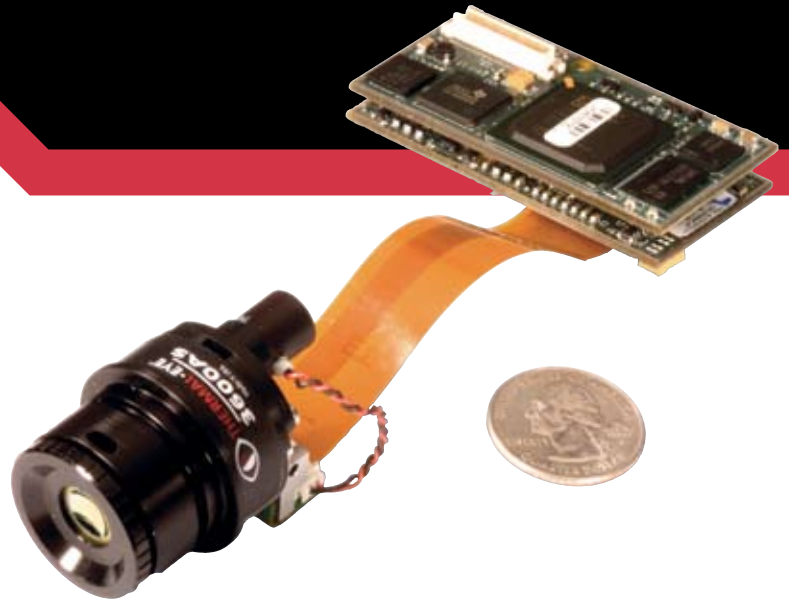


# 3600AS

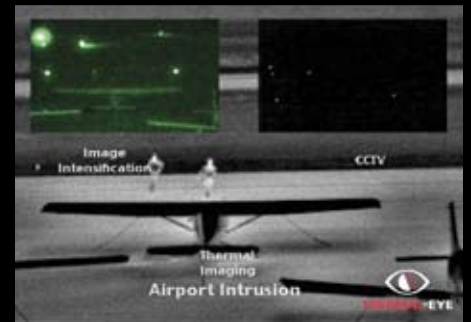
- Our lightest and smallest, long wavelength infrared camera core
- Uses proven Amorphous Silicon Microbolometer detector technology (30µm 160 x 120 pixel array)
- Built on its predecessor (3500AS), the 3600AS is utilized in security, military, public safety and other applications



FEATURE	BENEFIT
<b>SEAL-READY PACKAGING DESIGN</b>	Seal-ready optics housing and optics assemblies for easy OEM integration
<b>SMALL SIZE &amp; BEST-IN-CLASS POWER CONSUMPTION</b>	Smaller CCA size (compared with 3500AS) for improved packaging flexibility and best-in-class <1.2W power consumption
<b>30 MICRON DETECTOR</b>	Provides real-time 30Hz frame rate, plus state-of-the-art thermal sensitivity and dynamic range
<b>ADVANCED IMAGE PROCESSING</b>	Sophisticated histogram-based image processing and 640 x 480 video output resolution for best-in-class image quality at all times
<b>CUSTOMIZABLE ABSOLUTE COLOR</b>	Patent pending non-linear colorization allows OEMs to define multiple color set points for quick, intuitive temperature recognition
<b>WORLDWIDE VIDEO COMPATIBILITY</b>	Selectable real-time NTSC or full-format PAL video output
<b>FLEXIBLE</b>	Sophisticated GUIs for OEM customization
<b>OPEN ARCHITECTURE</b>	Expansion port provides access to data along video processing chain for advanced OEMs*
<b>INTEGRATION SUPPORT</b>	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

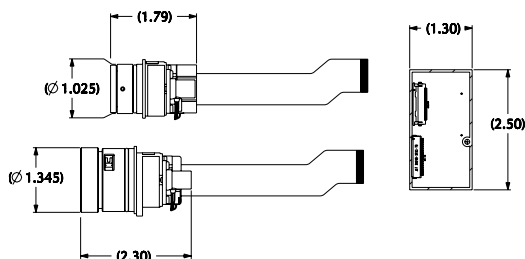
# 3600AS TECHNICAL SPECIFICATIONS:

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	7-14µm (filter bandwidth)		
	Thermal Sensitivity	<50mK		
	Refresh Rate	Real-time 30Hz		
Thermal Imaging System Performance	Start-up Time	2.4 seconds +/-10% (@25°C)		
	Contrast/Brightness	Automatic/Advanced Image Processing		
	Saturation Temperature	1100°F (600°C) +/-10% with automatic electronic iris		
	Range to Detect Human Activity	Up to 330ft (100m)	11° FOV: up to 1500ft (475m) 17° FOV: up to 1000ft (305m) 32° FOV: up to 550ft (170m)	Up to 700ft (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 3.2VDC & 8 to 16VDC		
	Input Power	~1.2W @ 25°C ambient, 3VDC		
Controls	Camera Setup & Communication	USB (compatible with the USB 2.0 specifications)		
Physical Characteristics	Size	See diagram below		
	Weight	2.38oz. (67.5g)		
	OEM "Seal-ready" Design*	No	Yes (11° FOV; 17° FOV) No (32° FOV)	No
Environmental	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	50° FOV: 7070030-0001	11° FOV: 7070040-0001 17° FOV: 7070040-0002 32° FOV: 7070040-0003	25° FOV: 7070035-0001
Optional Accessories	RS-232 Serial Interface CCA Kit	3000033-0001		
Additional Camera Functions	<ul style="list-style-type: none"> <li>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)</li> <li>Customizable absolute temperature colorization</li> <li>White-hot or black-hot polarity selectable</li> <li>Electronic zoom from 2X to 5X and electronic iris</li> <li>Selectable temperature indication of scene at central crosshair</li> <li>Optional GULs for customization and control (user parameters, symbology overlay, color, real-time control)</li> </ul>			

Specifications subject to change without notice

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

3600AS 3000008 RevC August 2006



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).

