

## FLIR A5sc, A15sc, A35sc Cameras

Real-Time Thermal Imaging and Analysis for Machine Vision and Test & Measurement

The A5sc, A15sc, and A35sc are affordable Infrared Camera Kits designed specifically for thermal bench top testing applications. The compact packaging makes the AX5sc a perfect fit for the bench top and allows for deployment in locations where size constraints are critical. They are available in a variety of pixel resolutions and can meet the spatial resolution requirements of most applications.

**Eliminate the Guesswork** – See heat patterns with the thermal imagery and extract temperature values from live or recorded imagery

**Uncooled Microbolometer Detector** – Maintenance-free and provides excellent longwave imaging performance.

**Pixel Resolution and Optics** – Available in 80 × 64, 160 × 128, 320 × 256 pixel formats to achieve numerous fields of view.

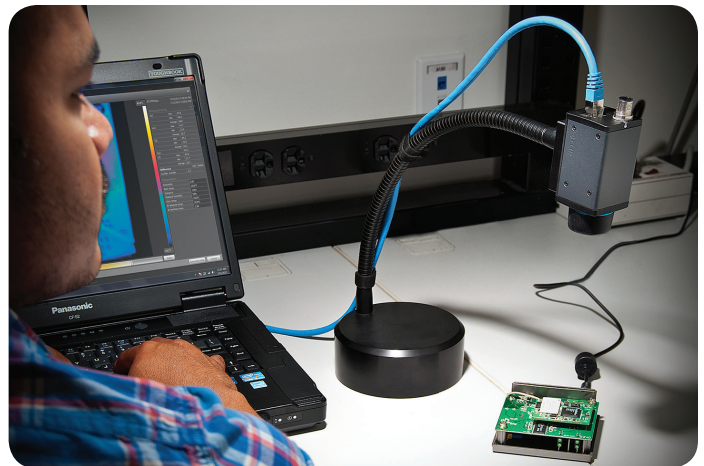
**Versatility** – Compact, rugged, and lightweight with straightforward mounting that permits quick installation and easy movement for new application requirements.

**Plug-and-Play Compatibility** – The ideal system integration solution with universal plug and play through GigE Vision and GEN<i>CAM protocols, these cameras can be fully configured from a PC, allowing camera control and image capture in real time

**Fast Data Transfer** – Its RJ-45 gigabit Ethernet connection supplies 14-bit images at frame rates as high as 60 Hz.

**Image and Data Acquisition** – Record thermal snapshots and movies with FLIR Tools + recording and analysis software.

**Kit Components** – includes everything needed for quick “out of box” deployment.



## Imaging Specifications

Detector	A5sc	A15sc	A35sc
Detector Type	Uncooled VOx microbolometer		
Spectral Range	7.5 $\mu$ m to 13.0 $\mu$ m		
Resolution	80 x 64	160 x 128	320 x 256
Detector Pitch	50 $\mu$ m	25 $\mu$ m	25 $\mu$ m
NETD	<50 mK		
<b>Imaging</b>			
Time Constant	Typical 12 ms		
Frame Rate (Full Window)	60 Hz		
Dynamic Range	14-bit		
Digital Data Streaming	Gigabit Ethernet		
Command and Control	Gigabit Ethernet		
<b>Measurement</b>			
Standard Temperature Range	-40 to +160°C (-40 to 320°F) -40 to +550°C (-40 to +1022°F).		
Accuracy	$\pm$ 5°C ( $\pm$ 9°F) or $\pm$ 5% of reading		
<b>Optics</b>			
Available Lenses	5 mm	9 mm	9 mm
Focus	Fixed		
<b>Image Presentation</b>			
Digital Data	Via PC Using FLIR R&D Software or GigE Vision Protocols		
<b>General</b>			
Operating Temperature Range	-15°C to 50°C (5°F to 122°F)		
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)		
Encapsulation	IP 40 (IEC 60527)		
Bump / Vibration	5 g (IEC 60068-2-27) / 2 g (IEC 60068-2-6)		
Power	12/24 VDC, TBA W absolute max		
Weight	0.2 kg (0.44 lb)		
Size (L x W x H) w/o Lens	106 x 40 x 43 mm (4.2 x 1.6 x 1.7 in.)		
Tripod Mounting	UNC 1/4"-20 via Base Support Accessory		
Base Mounting	4 x M3 thread mounting holes (on bottom)		



### A5sc, A15sc, A35sc Kits include:

Hard transport case, Infrared camera with lens, focus adjustment tool, base support, gooseneck table stand, PoE Injector (power over Ethernet), Ethernet CAT-6 cables, 2m/6.6 ft (2 ea.), FLIR Tools+Analysis and Recording Software, getting started guide, service & training brochure

**GigE**<sup>TM</sup>  
VISION  
GEN<i>CAM



BOSTON  
FLIR Systems, Inc.  
9 Townsend West  
Nashua, NH 03063  
USA  
PH: +1 866.477.3687  
PH: +1 603.324.7600

PORTLAND  
Corporate Headquarters  
FLIR Systems, Inc.  
27700 SW Parkway Ave.  
Wilsonville, OR 97070  
USA  
PH: +1 866.477.3687

CANADA  
FLIR Systems, Ltd.  
920 Sheldon Ct.  
Burlington, ON L7L 5L6  
Canada  
PH: +1 800.613.0507

MEXICO/LATIN AMERICA  
FLIR Systems Brasil  
Av. Antonio Bardella  
320 - B. Boa Vista- Cep:  
18085-852 - Sorocaba - SP -  
Brazil  
PH: +55 15 3238 8070

www.flir.com  
NASDAQ: FLIR

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2012 FLIR Systems, Inc. All rights reserved. (Rev. 11/12)