Technical Data
FLIR A300

Part number:
48201-1001

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Legal disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply.

Information and equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.

General description

The FLIR A300 camera offers an affordable and accurate temperature measurement solution for anyone who needs to solve problems that do not call for the highest speed or reaction and who uses a PC. Due to to its composite video output, it is also an excellent choice for thermal image automation applications, where you can utilize its unique properties such as looking through steam.

Key features:

- MPEG-4 streaming
- PoE (Power over Ethernet)
- Built-in web server
- General purpose I/O
- 100 Mbps Ethernet (100 m cable, wireless, fiber, etc.)
- Synchronization through SNTP
- Composite video output
- Multi-camera utility software: FLIR IP Config and FLIR IR Monitor included
- Open and well-described TCP/IP protocol for control and set-up
- 16-bit 320 × 240 images @ 3 Hz, radiometric
- Lenses: 25° included, 15° and 45° optional

Typical applications:

- Fire prevention, critical vessel monitoring, and power utility asset management
- Volume-oriented industrial control (multi-camera installation is possible)

Imaging and optical data

IR resolution	320 × 240 pixels
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK
Field of view (FOV)	25° × 18.8°
Minimum focus distance	0.4 m (1.31 ft.)
Focal length	18 mm (0.7 in.)
Spatial resolution (IFOV)	1.36 mrad
Lens identification	Automatic
F-number	1.3
Image frequency	30 Hz
Focus	Automatic or manual (built in motor)
Zoom	1–8× continuous, digital, interpolating zooming on images

Detector data

Detector type	Focal Plane Array (FPA), uncooled microbolometer
Spectral range	7.5–13 µm
Detector pitch	25 µm
Detector time constant	Typical 12 ms

Measurement

Object temperature range	–20 to +120°C (–4 to +248°F) 0 to +350°C (+32 to +662°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading

Set-up

Color palettes	Color palettes (BW, BW inv, Iron, Rain)

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FLIR A300

Set-up

Set-up commands	Date/time, Temperature°C/°F

Storage of images

Storage media	Built-in memory for image storage
File formats	Standard JPEG, 16-bit measurement data included

Ethernet

Ethernet	Control and image
Ethernet, type	100 Mbps
Ethernet, standard	IEEE 802.3
Ethernet, connector type	RJ-45
Ethernet, communication	TCP/IP socket-based FLIR proprietary
Ethernet, video streaming	MPEG-4, ISO/IEC 14496-1 MPEG-4 ASP@L5
Ethernet, image streaming	16-bit 320 × 240 pixels @ 3 Hz - Radiometric
Ethernet, power	Power over Ethernet, PoE IEEE 802.3af class 0
Ethernet, protocols	TCP, UDP, SNTP, RTSP, RTP, HTTP, ICMP, IGMP, ftp, SMTP, SMB (CIFS), DHCP, MDNS (Bonjour), uPnP

Digital input/output

Digital input, purpose	Image tag (start/stop/general), Input ext. device (programmatically read)
Digital input	2 opto-isolated, 10–30 VDC
Digital output, purpose	Output to ext. device (programmatically set)
Digital output	2 opto-isolated, 10–30 VDC, max 100 mA
Digital I/O, isolation voltage	500 VRMS
Digital I/O, supply voltage	12/24 VDC, max 200 mA
Digital I/O, connector type	6-pole jackable screw terminal

Composite video

Video out	Composite video output, PAL and NTSC compatible
Video, standard	CVBS (ITU-R-BT.470 PAL/SMPTE 170M NTSC)
Video, connector type	Standard BNC connector

Power system

External power operation	12/24 VDC, 24 W absolute max
External power, connector type	2-pole jackable screw terminal
Voltage	Allowed range 10–30 VDC

Environmental data

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)
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F)
EMC	• EN 61000-6-2:2001 (Immunity) • EN 61000-6-3:2001 (Emission) • FCC 47 CFR Part 15 Class B (Emission)
Encapsulation	IP 40 (IEC 60529)
Bump	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)

Physical data

Weight	0.7 kg (1.54 lb.)
Camera size (L × W × H)	170 × 70 × 70 mm (6.7 × 2.8 × 2.8 in.)
Tripod mounting	UNC ¼"-20 (on three sides)

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Physical data

Base mounting	2 × M4 thread mounting holes (on three sides)
Housing material	Aluminum

Shipping information

- Cardboard box
- Infrared camera with lens
- Calibration certificate
- Downloads brochure
- Ethernet™ cable
- Mains cable
- Power cable, pig-tailed
- Power supply
- Printed Getting Started Guide
- Printed Important Information Guide
- Service & training brochure
- User documentation CD-ROM
- Utility CD-ROM
- Registration card

Optional Accessories

- 1196961 IR lens, f = 30 mm, 15° incl. case
- 1196960 IR lens, f = 10 mm, 45° incl. case
- T197215 Close-up 4× (100 µm) incl. case
- T197214 Close-up 2× (50 µm) incl. case
- T197407 IR lens, 76 mm (6°) with case and mounting support for A/SC3xx
- T197411 IR lens, 4 mm (90°) with case and mounting support for A/SC3xx
- T197415 Close-up 1× (25 µm) incl. case and mounting support for A/SC3xx
- T197000 High temp. option +1200°C/+2192°F for FLIR T/B2xx to T/B4xx and A/SC3xx Series
- 1910400 Power cord EU
- 1910401 Power cord US
- 1910402 Power cord UK
- T910922 Power supply, incl. multi plugs, for A/SC3xx and A/SC6xx
- 908929 Video cable, 3.0 m/9.8 ft.
- T951004 Ethernet cable CAT-6, 2m/6.6 ft.
- 1910586 Power cable, pigtailed
- T197871 Hard transport case for A/SC3xx and A/SC6x5 series
- T197870 Cardboard box for A/SC3xx and A/SC6x5 series
- 61301-0002 Fixed Housing for A3xx 25°/45°/90°
- 61301-0001 Fixed Housing for A3XX 7°/15°

Optional Software

- DSW-10000 FLIR IR Camera Player
- APP-10001 FLIR Remote (iPad/iPhone Application)
- APP-10002 FLIR Tools Mobile (Android Application)
- T197038 ThermoVision™ System Developers Kit Ver. 2.6
- T197039 ThermoVision™ LabVIEW® Digital Toolkit Ver. 3.3

Optional Accessories

1196961; IR lens, f = 30 mm, 15° incl. case

General description

The 15° lens is a popular lens accessory and provides 1.7× magnification compared to the standard lens. Ideal for small or distant targets such as overhead power lines.

Technical data

Field of view (FOV)	15° × 11.25°
Minimum focus distance	1.2 m (3.93 ft.)
Focal length	30.38 mm (1.2 in.)
Spatial resolution (IFOV)	1.31 mrad/0.82 mrad
F-number	1.3
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.092 kg (0.203 lb.), incl. two lens caps
Size (L × D)	24 × 58 mm (1.0 × 2.3 in.)

Shipping information

- Lens
- Lens case

v1.02

1196960; IR lens, f = 10 mm, 45° incl. case

General description

This wide angle lens has a field of view almost double that of the standard lens. Perfect for wide or tall targets or when working in crowded spaces.

Technical data

Field of view (FOV)	45° × 33.8°
Minimum focus distance	0.20 m (0.66 ft.)
Focal length	9.66 mm (0.38 in.)
Spatial resolution (IFOV)	3.93 mrad/2.45 mrad
F-number	1.3
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.105 kg (0.231 lb.), incl. two lens caps

Technical data

Size (L × D)	38 × 47 mm (1.5 × 1.9 in.)

Shipping information

- Lens
- Lens case

v1.01

T197215; Close-up 4× (100 µm) incl. case

General description

For R&D usage or development purposes. As an example looking at PCB's or small electronic components.

Technical data

Field of view (FOV)	32 × 24 mm
Magnifying factor	4×
Working distance	79 mm
Depth of field	±2.0 mm
Focal length	73 mm (2.9 in.)
Spatial resolution (IFOV)	160 µm/100 µm
F-number	1.3
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.11 kg (0.24 lb.)
Size (L × D)	35.2 × 55 mm

Shipping information

- Lens
- Lens case

v1.02

48201-1001_en_51.xml, ver. 1.11

T197214; Close-up 2× (50 µm) incl. case

General description

For R&D usage or development purposes. As an example looking at PCB's or small electronic components.

Technical data

Field of view (FOV)	16 × 12 mm
Magnifying factor	2×
Working distance	33 mm
Depth of field	±0.4 mm
Focal length	37 mm (1.5 in.)
Spatial resolution (IFOV)	80 µm/50 µm
F-number	1.3
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.11 kg (0.24 lb.)
Size (L × D)	35.2 × 55 mm

Shipping information

- Lens
- Lens case

v1.03

T197407; IR lens, 76 mm (6°) with case and mounting support for A/SC3xx

General description

A narrow FOV is used in applications where the object that is going to be monitored is remote from the Camera or when the Camera needs to be far away from the object due to for an example high temperatures.

Technical data

Field of view (FOV)	6° × 4.5°
Minimum focus distance	4 m (13.11 ft.)
Focal length	76 mm (3.0 in.)

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Technical data

Spatial resolution (IFOV)	0.33 mrad
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Weight	Lens: 0.328 kg (0.723 lb.) Support: 0.15 kg (0.331 lb.)
Size (L × D)	106 × 89 mm (4.17 × 3.48 in.), excluding support

Shipping information

- Lens
- Lens case
- Mounting support

v1.04

T197411; IR lens, 4 mm (90°) with case and mounting support for A/SC3xx

General description

A wide angle lens is used when working in confined areas or when a large object area needs to be covered. This lens is also designed for to look in to electrical cabinets down to 1/2" windows.

Technical data

Field of view (FOV)	90° × 73°
Minimum focus distance	20 mm (0.79 in.)
Focal length	4 mm (0.157 in.)
Spatial resolution (IFOV)	6.3 mrad
F-number	1.3
Number of lenses	3 (3asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	5%
Weight	Lens: 0.262 kg (0.578 lb.) Support: 0.048 kg (0.106 lb.)
Size (L × D)	90 × 60 mm (3.54 × 2.36 in.), excluding support

Shipping information

- Lens
- Lens case
- Mounting support

v1.04

http://www.flir.com

T197415; Close-up 1× (25 µm) incl. case and mounting support for A/SC3xx

General description

For R&D usage or development purposes. As an example looking at PCB's or small electronic components.
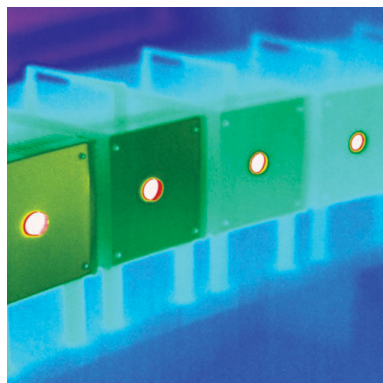
Technical data

Field of view (FOV)	8 × 6 mm
Magnifying factor	1×
Working distance	20 mm
Depth of field	±0.15 mm
Focal length	18.2 mm (0.72 in.)
Spatial resolution (IFOV)	25 µm
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	The lens and mounting support does not mechanically fit the FLIR T/Bxxx series.
Weight	0.38 kg (0.83 lb.)
Size (L × D)	167 × 60 mm

Shipping information

- Lens
- Lens case
- Mounting support

v1.04

T197000; High temp. option +1200°C/+2192°F for FLIR T/B2xx to T/B4xx and A/SC3xx Series

General description

For high temperature applications the camera can be calibrated for high temperature ranges.

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Technical data

Optional object temperature range	Up to +1200°C (+2192°F)

v1.0

1910400; Power cord EU

General description

Power cord (EU) for the power supply (1910585) used together with the FLIR A/SC3xx and A/SC6xx series.
The power supply (1910585) itself is discontinued and replaced by a new power supply (which includes muliplugs and another power cable).

Technical data

AC operation	250 V 16 A
Cable length	2.0 m (6.6 ft.)
Color	Black

v1.02

1910401; Power cord US

General description

Power cord (US) for the power supply (1910585) used together with the FLIR A/SC3xx and A/SC6xx series.
The power supply (1910585) itself is discontinued and replaced by a new power supply (which includes muliplugs and another power cable).

Technical data

AC operation	125 V 15 A
Cable length	2.0 m (6.6 ft.)
Color	Black

v1.01

1910402; Power cord UK

General description

Power cord (UK) for the power supply (1910585) used together with the FLIR A/SC3xx and A/SC6xx series.
The power supply (1910585) itself is discontinued and replaced by a new power supply (which includes muliplugs and another power cable).

Technical data

AC operation	250 V 13 A
Cable length	2.0 m (6.6 ft.)
Color	Black

v1.01

T910922; Power supply, incl. multi plugs, for A/SC3xx and A/SC6xx

General description

Power supply, incl. multi plugs

Technical data

AC operation	100–240 VAC, 50/60 Hz, 12 VDC out
Power	2000 mA at 12 VDC
Size (L × W × H)	81 x 47 x 34 mm (3.2 x 1.9 x 1.3 in.)
Cable length	1.5 m (4.9 ft.)
Color	Black

Shipping information

- Power supply including cable
- EU plug
- UK plug
- US plug
- AU plug

v1.0

908929; Video cable, 3.0 m/9.8 ft.

General description

This cable is used to transfer video signals from the infrared camera to an external monitor, or to a computer featuring an internal video card.

Technical data

Weight	163 g (5.7 oz.)
Cable length	3.0 m (9.8 ft.)
Connector	BNC

v1.01

T951004; Ethernet cable CAT-6, 2m/6.6 ft.

General description

This cable is used to connect the infrared camera to Ethernet.

Technical data

Weight	80 g (2.8 oz.)
Cable length	2.0 m (6.6 ft.)
Connector	RJ-45 to RJ-45
Cable type	CAT-6

v1.01

1910586; Power cable, pigtailed

General description

This cable is used, when a separate power supply is used (not the one supplied with the camera)

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Technical data

Weight	75 g (2.6 oz.)
Cable length	2.0 m (6.6 ft.)
Connector	Pigtailed
Color	Black

v1.02

T197871; Hard transport case for A/SC3xx and A/SC6x5 series

General description

Rugged, watertight plastic case for FLIR A/SC3XX and A/SC65X series. Holds all items neatly and securely. The case can be locked with padlocks and features a breather valve to prevent pressure build-up in airplane cargo holds.

Technical data

Weight	3.1 kg (6.8 lb.)
Size (L × W × H)	463 × 346 × 172 mm (18.2 × 13.6 × 6.8 in.)
Color	Black

Shipping information

- Hard transport case

v1.02

T197870; Cardboard box for A/SC3xx and A/SC6x5 series

General description

Cardboard box with plastic handle for the FLIR A/SC3XX and A/SC65X series. Holds all items neatly.

Technical data

Weight	0.86 kg (1.9 lb.)
Size (L × W × H)	455 × 300 × 165 mm (17.9 × 11.8 × 6.5 in.)
Material	Cardboard

v1.02

61301-0002; Fixed Housing for A3xx 25°/45°/90°

General description

The main purpose of the environmental housing is to increase the environmental specification of any A3XX camera to IP 66 without affecting any of the features available in the camera itself.

Technical data

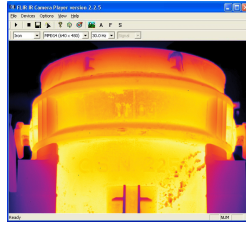|	
Operating temperature range	–25°C to +50°C (–13°F to +122°F)
Storage temperature range	–40°C to +70°C (–40°F to +158°F)
Weight	4.0 kg (8.8 lb.)
Size (L × W × H)	460 × 140 × 150 mm (18.1 × 5.5 × 5.9 in.)

Shipping information

- Fixed Housing for A3xx 7°/15°

v1.0

61301-0001; Fixed Housing for A3XX 7°/15°

General description

The main purpose of the environmental housing is to increase the environmental specification of any A3XX camera to IP 66 without affecting any of the features available in the camera itself.

Technical data

Operating temperature range	–25°C to +50°C (–13°F to +122°F)
Storage temperature range	–40°C to +70°C (–40°F to +158°F)
Weight	4.0 kg (8.8 lb.)
Size (L × W × H)	460 × 140 × 150 mm (18.1 × 5.5 × 5.9 in.)

Shipping information

- Fixed Housing for A3xx 7°/15°

v1.0

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DSW-10000; FLIR IR Camera Player

General description

FLIR IR Camera Player is a PC-based remote control and viewer that you can use with cameras from FLIR Systems.

You can perform one or more of the following with FLIR IR Camera Player:

- Record a video stream from the camera.
- Save a frame from the video stream as a snapshot image (*.bmp).
- Autofocus, focus far, and focus near.
- Autoadjust the camera image.
- Freeze the camera image.
- Save a camera image in the camera.
- Change Color palette.
- Add an image description and a text comment to an image.

You connect a camera in one of the following ways:

- Ethernet
- FireWire
- USB

Download

This software is a freeware. To download, click the following link:

http://support.flir.com/SwDownload/app/RssSWDownload.aspx?ID=89

Release notes

Version	2.2.6
New features	• --- News in 2.2.6 • Various bug fixes. • --- News in 2.2.5 • Color palette menu. • Option to record AVI video clips from cameras that deliver MPEG or H264 image streams. • Option to compress the FLIR Researcher formats F7M0 and F7M2 to AVI. • Support for FLIR Exx series cameras. • Support for FLIR T6xx series cameras.

System requirements

Operating system	• Windows XP, 32-bit • Windows Vista, 32-bit/64-bit • Windows 7, 32-bit/64-bit

v1.02

FLIR®

APP-10001; FLIR Remote (iPad/iPhone Application)

General description

FLIR Remote is an iPhone/iPad app for the remote control of FLIR T6xx series cameras that support Wi-Fi.
FLIR Remote lets thermograhers use an iPad, iPhone, or iPod touch to see and capture live, streaming infrared video and stills from select FLIR cameras. The app allows users to remotely control the camera functions from the device.

With FLIR Remote, the camera can be stationed in one area and operated wirelessly from another – highly useful for IR inspections of energized equipment or performing IR surveys in hard-to-reach locations and harsh working environments. Streaming video and remote access gives decision makers and others on your team a valuable opportunity to observe and collaborate in the thermal imaging process.

Key features:

* Select camera
* View live images

Using the pay version of FLIR Remote, you can do the following:

* Change image mode, i.e., infrared, visual, fusion, and picture-in-picture.
* Change object parameters, e.g., emissivity, reflected apparent temperature, and object distance.
* Change the temperature range.
* Turn on and turn off the video lamps.
* Display system information.
* Focus the camera.
* Automatically and manually adjust the camera.
* Change the color palette.
* Lay out, move, and resize measurement tools (spot, area box, circle, line).
* Measurement tools context menu (long-press).
* Take a picture.
* Set the camera to automatically take a visual image when taking an infrared image.
* Record video clips.
* Change various settings, e.g., video quality.
* Adjust the temperature scale.
* Save, e-mail, and export images.
* Manage files in the image archive.

Download

The application can be downloaded from App Store, see the link below.

http://itunes.apple.com/us/app/flir-remote/id449160458?mt=8

Release notes

Version	FLIR Remote 1.07
New features	• --- News in 1.07--- • Improved performance • Fixed localization issues • Measurement tools context menu (long-press). • Various bug fixes • --- News in 1.05--- • Context-sensitivity menu for measurements tools. • Line graph. • Possibility to set scale limits from the keyboard. • Temperature units setting. • Video size setting. • Distance setting. • Possibility to change the camera temperature range from the remote control. • Connection speed. • Various bug fixes.

48201-1001_en_51.xml, ver. 1.11

Optional Software

System requirements

Operating system	• iOS 4.0 or higher
Hardware requirements	• iPhone • iPad • iPod

v1.07

APP-10002; FLIR Tools Mobile (Android Application)

General description

FLIR Tools Mobile is an intuitive Android app for analyzing, managing, and distributing infrared images.

Key features:

- Import images from your Wi-FI-enabled infrared camera.
- Lay out and move measurement tools on the image.
- Read out temperature measurements.
- Zoom in on images.
- On the Android phone/tablet, remotely take snapshots when a camera is connected.
- On the camera, take snapshots that will automatically be saved on the Android phone/tablet.
- Delete images on the Android phone/tablet.
- Display an image's GPS coordinates on Google Maps.
- Create and e-mail reports.
- Save images in the Android phone/tablet photo library.
- Send images to FTP sites and other file-sharing services (DropBox, Box.net, etc.).
- Display image information, e.g., object parameters, text comments, and file details.
- Play back voice comments.
- Change the level and span.
- Change general settings in the app.
- Change the palette.
- Help files in 21 languages.

Download

The application can be downloaded from Android Market, see the link below.

https://market.android.com/details?id=com.flir.viewer

Release notes

Version	FLIR Tools Mobile 1.0.1
New features	• --- News in 1.0.1 --- • Greek and Russian language support for PDF export now enabled. • Help files now translated into 21 languages. • Various bug fixes and optimizations.

System requirements

Operating system	• Android 2.3 and later

v1.03

http://www.flir.com

Optional Software

T197038; ThermoVision™ System Developers Kit Ver. 2.6
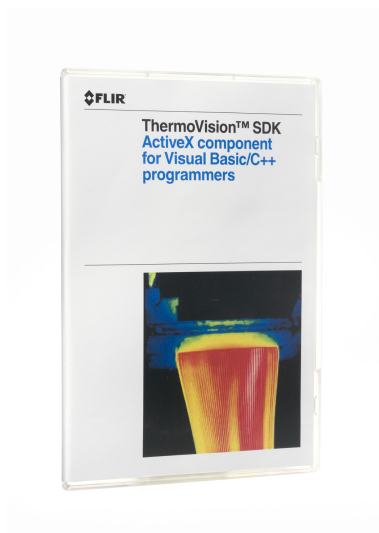
General description

ThermoVision™ System Developers Kit

Key features:

- Supports communication and broadcasting via FireWire™, Ethernet, and USB interfaces.
- Gives the user full control of the camera.
- Allows the user to set alarm conditions and measurement functions in the camera
- Allows the user to define I/O functionality (FLIR A series).
- Based on ActiveX technology.
- Supports acquisition of images through FireWire™, Ethernet, and USB interfaces.
- Reads from and writes to file in FLIR Systems' proprietary file format and writes to files in FLIR Systems' open floating point format (*.fpf).
- Converts 16-bit absolute pixels into temperature pixels and several intermediate types of pixels formats, for maximum user flexibility. Applies to all camera models with temperature measurement capabilities.
- Allows 16-bit temperature linear outputs from FLIR A series cameras.
- Includes method that allows using individual emissivity value correction on any single pixel or condensed measuring value – e.g. average, minimum etc.
- Supports conditional recording to file through FireWire™, Ethernet, and USB interfaces.

Users with licenses for the previous version can download a free upgrade via the following link:
http://support.flir.com/SwDownload/app/RssSWDownload.aspx?ID=62
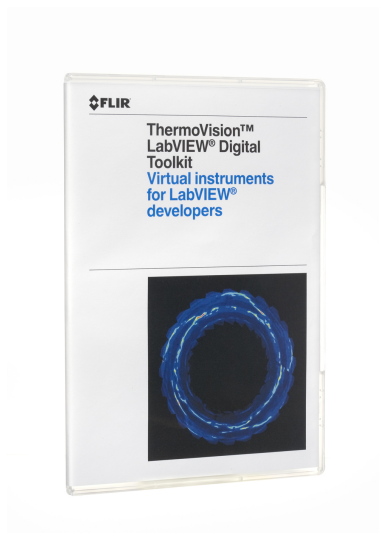
Release notes

Version	ThermoVision 2.6 SP2
New features	• --- News in SP2: • Support for FLIR GF3XX series • Support for windowing in FLIR A615 and FLIR SC6x5 • Support for windowing in FLIR SC6x0 • Various bug fixes
	v1.04

http://www.flir.com

T197039; ThermoVision™ LabVIEW® Digital Toolkit Ver. 3.3

General description

The ThermoVision LabVIEW Toolkit is a set of VIs (virtual instruments) for cameras that support alarms, measurement functions, and I/O functionality.
Through LabVIEW, you can use these VIs as sub-VIs to manage communications with a FLIR IR camera in digital mode. You can also generate true temperature images from images acquired through LabVIEW, and can use the LabVIEW IR Measurement and Display tools to analyze the temperatures of imaged objects.

Key features:

- Set up communications between LabVIEW VI and a FLIR IR camera
- Capture and collect images via FireWire or Ethernet interfaces
- Adjust the camera configuration parameters and focus as you view a live image
- Control the camera calibration
- Send any other camera command to the camera
- Generate a true temperature image from a 16-bit image acquired using the camera's
- FireWire or Ethernet interfaces
- Close communications to the IR camera

Users with licenses for the previous version can download a free upgrade via the following link:
http://support.flir.com/SwDownload/app/RssSWDownload.aspx?ID=63

Note: Only supports National Instrumenst 32-bit Labview
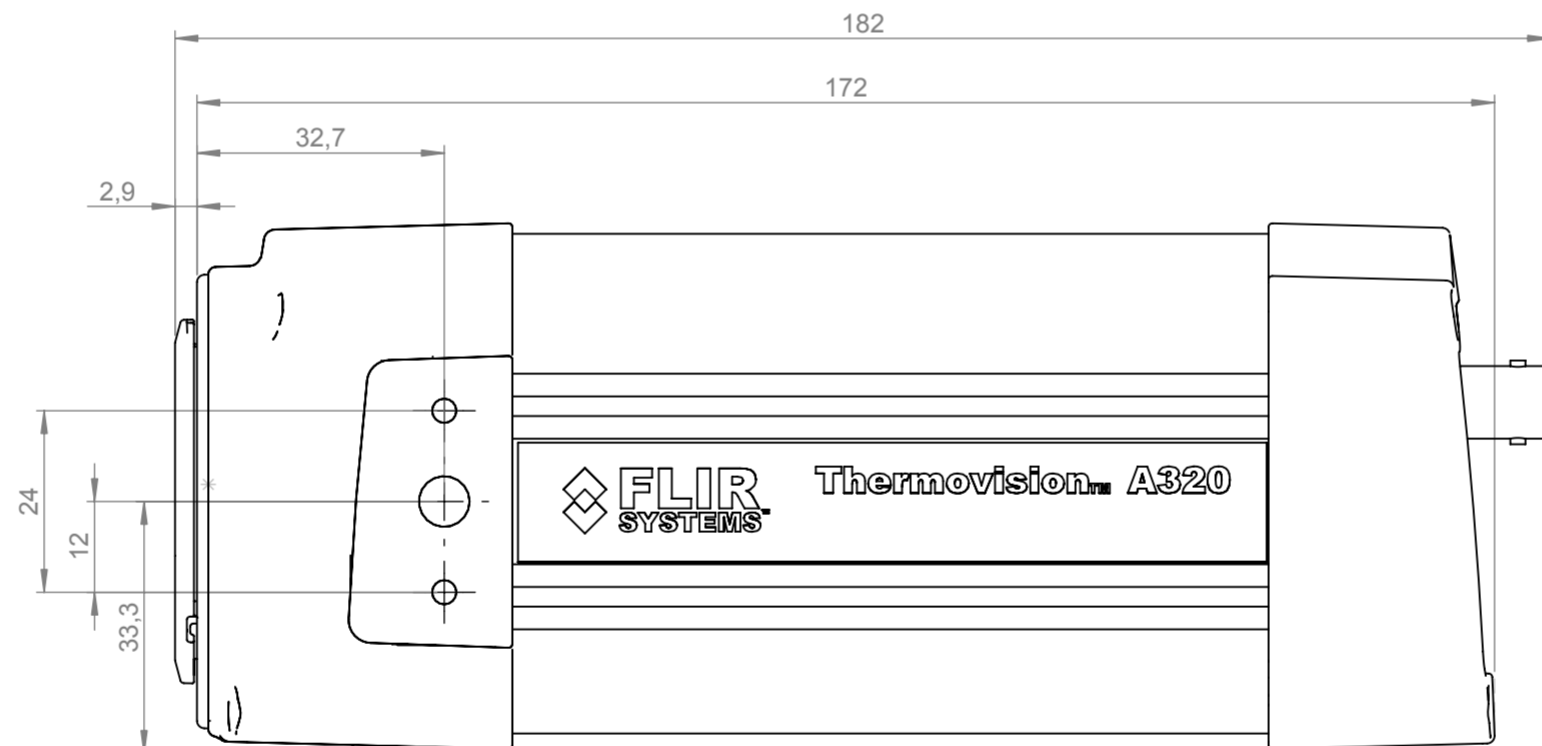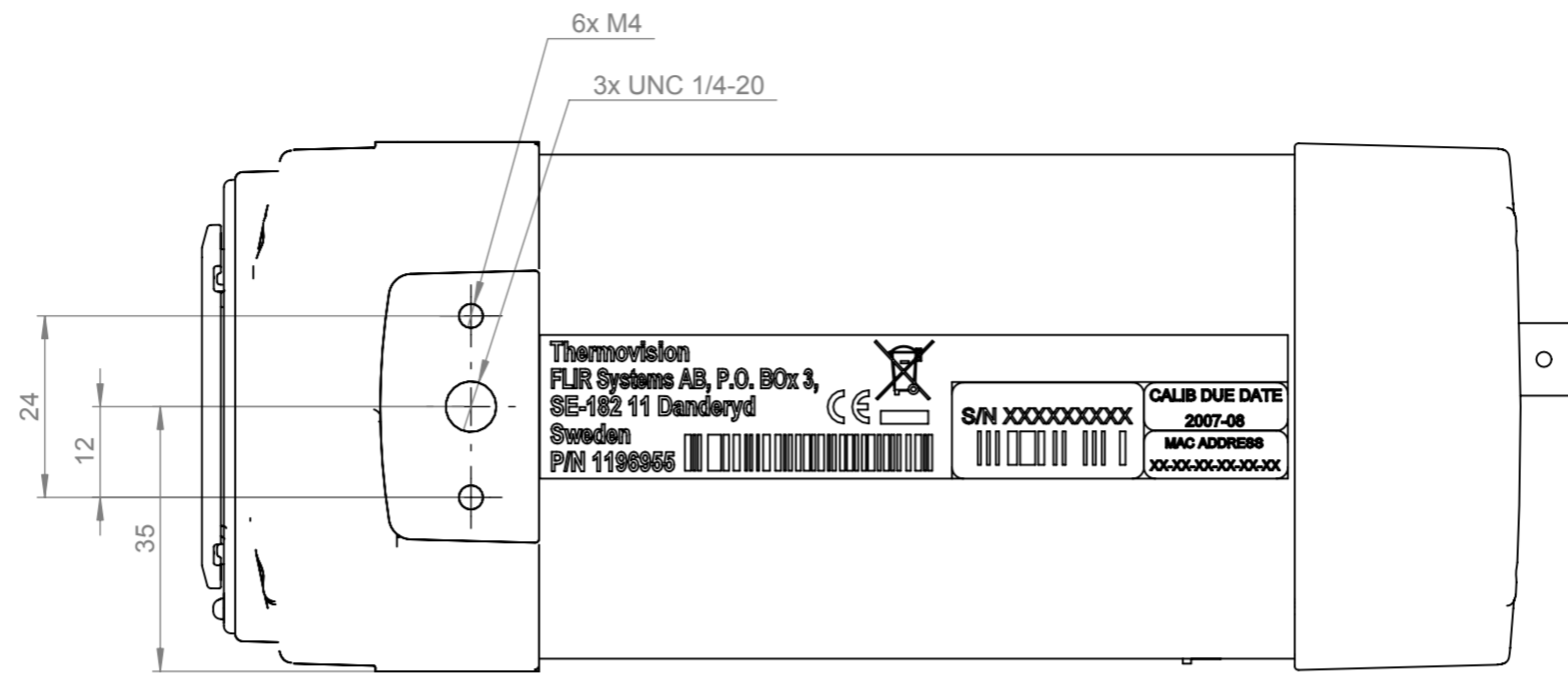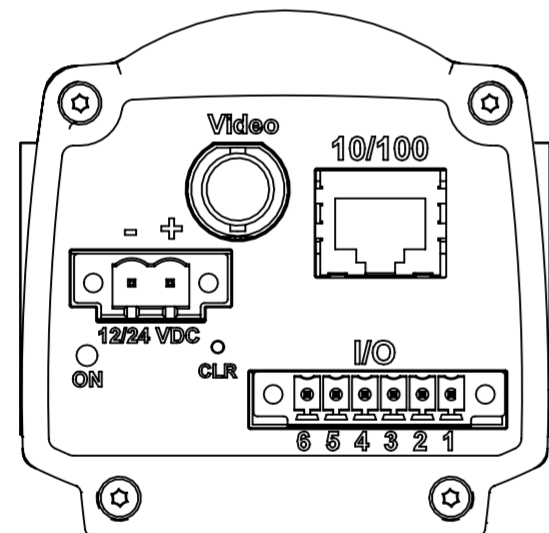
Release notes

Version	3.3
New features	• Windows 7 32- and 64-bit support • Support for FLIR A615 and FLIR SC6X5 (including windowing) • Support for windowing in FLIR SC660 • Various bug fixes • New example VIs

v1.01

Top view dimensions:
- 6x M4
- 3x UNC 1/4-20
- 24
- 12
- 35

Label text:
Thermovision
FLIR Systems AB, P.O. BOx 3,
SE-182 11 Danderyd
Sweden
P/N 1196965
S/N XXXXXXXXX
CALIB DUE DATE 2007-08
MAC ADDRESS XX-XX-XX-XX-XX-XX

Side view dimensions:
- 182
- 172
- 32,7
- 2,9
- 24
- 12
- 33,3

FLIR SYSTEMS — Thermovision A320

Front view dimensions:
- 70
- 70
- (33,3)

Rear panel labels:
Video
10/100
12/24 VDC
+ −
ON
CLR
I/O
6 5 4 3 2 1

Konstr/Drawn	Datum/Date	Kontr/Check	Material		
L. HEIMER	2007-09-04	-	-		
Ändrad av/Modified by	Ändrad/Modified	Ytjämnhet/Roughness	Ytbehandling/Surface treatment		
P. MARCUS	2008-10-29	Ra − μm			

Där ej annat anges/Unless otherwise stated
Gen tol ISO 2768-mK
Utdrag ur/Excerpt from ISO 2768-m

		Hålkälsradier	
0.5-6	±0.1	Fillet radii	-
(6)-30	±0.2		
(30)-120	±0.3		
(120)-400	±0.5	Kanter brutna	
(400)-1000	±0.8	Edges broken	-

Benämning/Denomination: BASIC DIMENSIONS A320

Artikelnr/Article No: -

Ritn nr/Drawing No: T125002

Skala/Scale: 1:1

Blad/Sheet: 1(8)

Size: A2

Rev: A.009

FLIR SYSTEMS