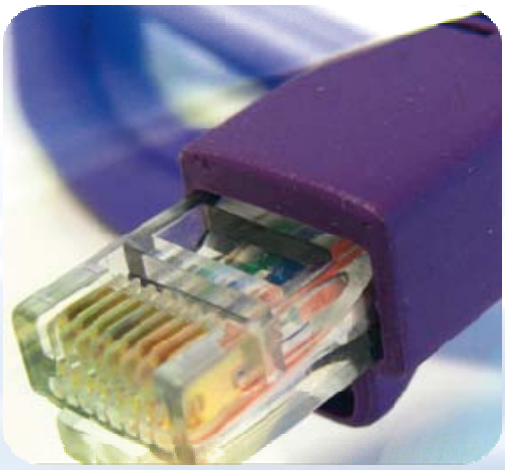
FLIR Networked Systems



Product Catalogue 2010

Version 1.0

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Legal Note

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International Terms and Conditions

I. DEFINITIONS: As used herein, the following terms shall have the meanings specified below:
a. "Seller" means FLIR Networked Systems, s.l. acting directly or through a duly FLIR authorized representative.
b. "Buyer" means the individual, corporation, partnership, or sole proprietorship acting through its duly authorized agent procuring or proposing to procure articles under this agreement.
c. "Articles" means any items or service the procurement of which is contemplated by this agreement.

2. APPLICATION: The terms and conditions contained herein apply to any resulting orders, and shall not be changed by any terms provided by Buyer on its pre-printed forms or otherwise. No changes to these terms and conditions shall be binding unless specifically agreed to in writing by the Seller.

3. DELIVERY AND SHIPMENT: Delivery shall be EX-Works Seller's plant per INCOTERMS 2000. All shipping costs shall be borne by the Buyer, and Seller will select the method of shipment unless Buyer does so in writing at least 10 days prior to scheduled delivery. If Seller, as a courtesy to Buyer, agrees to arrange carriage of the Systems on Buyer's behalf, Buyer shall be responsible for all transportation, brokerage, handling, and other charges incurred and Seller may invoice Buyer for all such costs without altering the term of Delivery. Upon delivery, all risk of loss or damage shall be borne by the Buyer. Title and full risk of loss pass to Buyer upon Delivery. Insurance coverage on all shipments shall be the responsibility of Buyer. Upon accepting an Order, Seller notifies Buyer of Seller's estimated Delivery date(s). Seller will substantially meet estimated Delivery dates, but shall not be liable for any damages resulting from any delay in Delivery.

4. PACKAGING: Systems shall be packaged for shipment in accordance with Seller's standard practices.

5. INVOICES: Seller shall submit invoices after each shipment made or service provided under this order. Payment is due and payable in full thirty (30) days from date of invoice, unless prepayment is required prior to shipping. Buyer shall pay monthly interest at a rate of one and one half percent (1½%), or the maximum allowed by law, of the unpaid balance on all overdue payments. Buyer shall pay Seller's costs of collection including, but not limited to, attorneys' fees and costs.

6. TAXES: In addition to the agreed price, any and all taxes (not including income tax) which may be imposed by any taxing authority, arising from the sale, delivery, or use of the articles for which Seller may be held responsible for collection or payment, either on its own behalf or that of Buyer, shall be paid by Buyer to Seller upon Seller's demand. In lieu thereof, Buyer may provide Seller with an appropriate tax exemption certificate acceptable to the taxing authorities.

7. WARRANTY: Seller warrants that on the date of Delivery and for one (1) year thereafter
(Warranty Period), the Systems will substantially conform to Seller's specifications and be free from defects in material (Warranty). Buyer shall send Warranty claims to Seller, in writing, promptly and, in any event, within the Warranty Period. Seller, at it sole option, shall either repair or replace nonconforming Systems (Remedy). This Warranty is void if the System has been repaired, altered, or modified in any manner by persons other than Seller or Seller's authorized service center. This Warranty excludes nonconformities resulting from: (i) normal wear and tear; and (ii) failure to properly store, install, operate, or maintain the System. The Remedy is Seller's sole obligation, and Buyer's sole and exclusive remedy, for all claims of nonconformities. If the Remedy is adjudicated to be insufficient, Seller shall refund Buyer's paid Price and have no other liability to Buyer. Seller warrants repairs and spare or replacement parts manufactured by Seller for six (6) months after returning Systems to Buyer, or the remainder of the Warranty Period, whichever is greater. Buyer shall pay the costs of returning nonconforming Systems under a warranty claim to Seller, and Seller will pay the costs of return shipping to Buyer. SELLER DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS, IMPLIED, AND STATUTORY, WITH RESPECT TO SYSTEMS, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT AND TITLE.

8. INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RELIEF FROM LIABILITY: Seller Shall not be liable for INCIDENTAL, SPECIAL or CONSEQUENTIAL damages of any nature with respect to any products sold or delivered, any service rendered, or any failure to meet delivery schedules. In no event will Seller be liable under the terms of sale beyond the value of the order.

9. EXCUSABLE DELAYS: Seller shall not be liable for delay in delivery or failure to manufacture or failure to complete performance of services attributable to causes beyond its control or occasioned without its fault or negligence. In the event of any such delay or failure, the date of delivery shall be deferred for a period equal to the time lost by reason of the delay or failure.

10. EXPORT RESPONSIBILITY: The Articles are subject to U.S. Government export laws and regulations (Export Laws) and/or foreign export laws and regulations, including without limitation the U.S. Arms Export Control Act and the International Traffic in Arms Regulations. Buyer shall not export, re-export, or transfer (directly or indirectly) the Systems or related technical data received from Seller without strictly complying with all Export Laws, including obtaining all required licenses, authorizations, certifications, and approvals. Buyer shall inform its customers that Systems are subject to Export Laws. Buyer understands that an express condition of every sale of a System is the issuance of appropriate authorization by export authorities. Seller has no control over the decisions of governments and undertakes no liability to Buyer or any third party in any way for such decisions. Nothing in this section shall be considered authorization for Buyer to sell, directly or indirectly, Systems outside the United States. Prior to any sale of Systems or related technical information, Buyer shall check the most recent export restriction lists maintained by the Department of Commerce and the Department of State, including, without limitation, the denied persons list, unverified list, entity list, specially designated nationals list, and the debarred list (see http://www.bis.doc.gov/ComplianceAndEnforcement/ListsToCheck.htm). Buyer shall also check other lists maintained by other U.S. government agencies, as applicable. Seller may cancel any sale of a System if appropriate authorization is not obtained from the Government, and Seller will not be liable to Buyer in any way for such cancellations

11. COMPLIANCE WITH LAW: Buyer shall comply with all applicable and current laws, ordinances, codes and regulations, including, but not limited to, the U.S. Foreign Corrupt Practices Act (FCPA) and similar statutes of any other jurisdiction where applicable, and shall indemnify Seller from and against all liability, including civil fines and penalties, in the event that Buyer fails to do so.

11. APPLICABLE LAW: This order shall be construed and all disputes hereunder shall be settled in accordance with the laws of Spain. For purposes of jurisdiction, this order shall be deemed to have been entered into and performed in the City of Madrid in Spain.

12. LANGUAGE: All related contractual documentation and correspondence is to be written in the English language.

FNS Terms and Conditions of Sale

Payment Terms:

Subject to Credit approval by FNS. Pre-payment required before approval.

Hardware:	Net 7 Delivery
Software:	Net 30 Delivery
Professional Services:	30% ARO, 70% End of Services + Expenses

Delivery Time:

Hardware:	6-8 weeks
Software:	2-3 business days
Professional Services:	Book 15 days in advance, subject to availability

Qty Discounts (Software Products only):

10+ Units:	10%
25+ Units:	20%
50+ Units:	30%

Product Families in FNS 2010 P/N Coding

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1 Hardware Products

FLIR Networked Systems offers specific hardware appliances such as rugged Miniservers, Storage Servers (nDVR), Video Processing Units (nVPU), PC based servers and OEM boards for embedded applications.
All of these appliances here have been specially designed to run Nexus and are fully supported by FLIR Systems.

1.1 Appliances – Servers

1.1.1 Miniservers

MiniServers are rugged computers that are used as adapter boxes to make multiple devices in remote sensor sites in a system become manageable generic objects in its TCP/IP network. These PC-104 based Linux appliances run the Nexus Server, key component of FLIR´s distributed middleware technology used for sensor networks integration.

Miniservers offer two simultaneous full quality, low-latency DSP based MPEG-4 UDP/RTP streams, two analog output channels, a microcontroller based power board with embedded remote monitoring capabilities and enhanced environmental specs in a rugged enclosure with MIL connector.

The Miniserver DSP2 has a dedicated DSP for each of its video channels. This allows two simultaneous 4 CIF channels of streaming video. Staring fans are used for power dissipation with a dust filter.

The Miniserver DSP1 uses a single DSP which is shared for both video channels. This allows better thermal dissipation in an IP65 sealed enclosure, making it suitable for outdoor installations.
Using a single DSP allows for 2xCIF channels or a single 4xCIF video stream which can be switched between the two video inputs.

DSP1 is the recommended model for bandwidth limited applications too, whereas DSP2 is strongly recommended for bandwidth rich applications that require full screen display of both videos (4xCIF).

DSP1

DSP2

NS101-DSP1CF-M	MiniServer DSP1 (CF, MIL-38999, 2x CIF or 1x 4CIF)
NS101-DSP2CF-M	MiniServer DSP2 (CF, MIL-38999, 2x 4CIF, staring fans)
NS301-CONN-KIT	MiniServer Mating Connectors Kit

1.1.2 JPC3 G

JPC3 G

FLIR Multisensor System

Video tracking Electronics (VILGA-D)

The new JPC3 G is an embedded Linux computer platform that is used as a pedestal in FLIR´s Multisensor Systems. It offers the latest technology in embedded computing, including DSP based video encoding, versatile TCP/IP or serial command and control interface, advanced image processing and video management functions like video tracking and electronic stabilization.

Key Features:

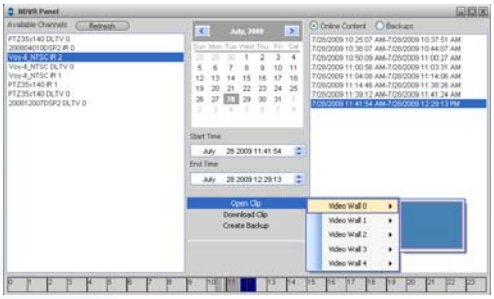
- Enhanced CPU board at 500MHz, Extended Temp. Range
- Redesigned intelligent power supply module with temperature regulation
- Industrial Compact Flash disk
- Dedicated video processor module for each channel, Extended Tem Range, Texas Instruments DM64 engines at 700MHz
- Enhanced On Screen Display capabilities (GPS, LRF)
- Post-Processed Analog Video Outputs, allowing growth on embedded image processing capabilities (eSTAB or Analytics)
- Internal anti-vibration system
- Simultaneous operation of Nexus with TASS JCU/Pelco/Bosch
- New industrial design: improved thermal and mechanical resistance (200lbs)
- Industrial Compact Flash with locking system
- Heat distribution structure with lateral fins design
- Modular architecture with easy extraction mechanism and plug and play upgradeability of VILGA Tracker or similar modules (e.g. Solid State DVR Option)
- Internal anti-vibration mounting system for vehicle applications
- Military class Ethernet connector w/ RJ-45 compatibility
- Improved form factor for JPC to PTH cable
- Uniform o-ring rail and Gore-Tex membrane for breathable sealing
- Reinforced Grounding Pin
- JPC2-compatible connector plate and top/bottom footprints (reverse option available)

NS401-JPC-2V-1	JPC3 G (500MHZ, 2x DSP1, Sand RAL1019) w/Nexus Server
NS401-JPC-2V-2	JPC3 G (500MHZ, 2x DSP1, THV Green) w/Nexus Server
NS401-JPC-VGTK	VILGA-D VideoTracker Kit for JPC3 G (VT sw option incl.)
NS401-JPC-VG	VILGA-D VideoTracker Kit for JPC3 G (eSTAB only)
NS301-JPC-PTHC	JPC3 G to MSO-2 PTH System Cable

1.2 PC Based Appliances – Bundles

1.2.1 FLIR nDVR

Network Digital Video Recorder.
Continuous recording of network video and sensor data streams.



Key Features:

- 19”/3U Rackmount video storage platform, fully supported by FLIR
- 20Mbps/30d/24h 12TB RAID5
- 25 simultaneous MPEG-4 channels
- Fully integrated in Nexus
- Compatible with standard RTP/RTSP players
- DB search, VCR playback, clips download, backup & transfer recorded content

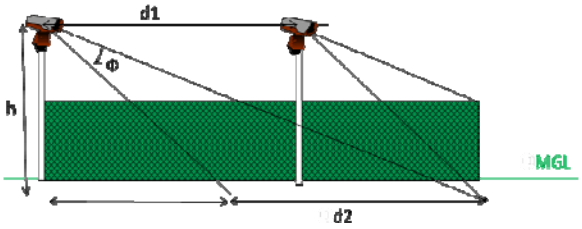
Storage calculations:

The FLIR nDVR includes **bulk** storage for 12 Terabytes of network video. After RAID 5, and taking into account disk formatting, CRC and spare HDD´s (needed for on-line data reconstruction) and video encoding headers, the equivalent to 20 Mbps/30 days is available as **net** storage.
Easy calculations can be done using inst rule of thumb considerations.
Example:
5 sensors with IR + TV encoded in 4xCIF (2 Mbps recommended for IR, 3 Mbps for TV – see FNS Application Note/ network requirements)
Number of channels: 5 x 2 (IR + TV) = 10 < 25 (OK)
Simultaneous bandwidth: 5 x 2 Mbps + 5 x 3 Mbps = 25 Mbps < 90 Mbps (OK)
Maximum online storage in nDVR: Num days = 30 days (nominal) x 20 Mbps/25 Mbps = 24 days

NS403-DVR-25CH-2	FLIR nDVR 20Mbps/30d/24h 12TB RAID5 25ch

1.2.2 Video Processing Unit

Advanced Video Analytics of network streams in a server



Key Features:

- Statistical Video Motion Detection
- Nexus Geo-referenced Alarms, enabling map display in FSM and slew to cue of PTZ cameras
- Multi-target Acquisition with Activity Rules

- Image Post Processing Filters
- Alarm notification: e-mail and image snapshots
- 19”/1RU rackmount server Quad Core Processors
- 2 x 4xCIF or 8xCIF simultaneous network streams
- Fully manageable using Nexus SDK
- Post-processed recasting in low-bandwidth MPEG-4 (*)

(*) This function is not compatible with certain streaming formats

NS404-VPU-08CH-2	Video Processing Unit (8 channels CIF or 2x channels 4CIF)

1.2.3 FLIR CCTV Server

PC Based Nexus CCTV Server: COTS solution for Nexus CCTV Sensors

FLIR CCTV Server

Up to 8 simultaneous
4xCIF/25 fps video streams

Redundant Power Supply

Hardware Based
Encoding

Fully supported by FLIR

Key Features:

- Real-time, hardware based CIF/4CIF MPEG-4 streams
- Nexus Servers offering Nexus
- Drivers for multiple CCTV cameras (PelcoD, Sony, TASS…)

Specifications:

- 19”/2RU Linux based rackmount server, redundant Power Supply
- 8 CCTV Sensors w/o telemetry or 4 CCTV Sensors w/comms
- High MTBF solution for hybrid architectures (Analog/digital)
- Fully manageable using Nexus SDK

NS401-CCTV-4V4SP	Nexus PC CCTV Server 4 channels w/telemetry
NS401-CCTV-8V	Nexus PC CCTV Server 8 channels no telemetry
NS303-CCTV-DVR	Digital Video Storage Cassette 2xRAID1 + SPARE (*)

(*) Requires OEM nDVR software installed by FLIR

1.3 Computers & System Components

1.3.1 FLIR Sensors Manager Rackmount Workstation

FLIR certified solution for high performance sensor management and video display

High MTBF 19”/2RU
Rackmount solution

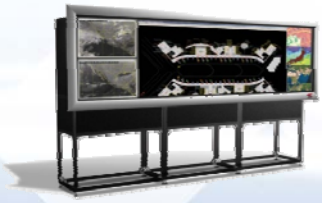
Digital Video
Storage solution

Analog Video Option
(Frame Grabber)

FLIR supported
solution

Redundant power supply
Rackmount solution

Dual DVI Output



High Performance Video Rendering
for videowall applications

Key Features:

- 19”/2RU Windows based, redundant Power Supply, Ruggedized HDD (*)
- High Performance Video Rendering with dual DVI outputs
- Real-time MPEG video decoding or Analog Video (Frame Grabber Option)
- High MTBF solution, fully serviced by FLIR
- O.S., Drivers and FLIR Sensors Manager installed and configured

(*) Standard 2,5” HDD mounted on champers, SSD available on demand

Applications:

- Operator workstation for vehicle installations
- Videowall engine in control rooms
- Unified server and FSM Workstation solution for remote Radar/Camera sites

P/N Options:

- Analog Video Option (4x channel PCIe Video FrameGrabber)
- Digital Video Storage Option (3xHDD) for Media Recording

NS103-INDWKS-2U	FLIR Industrial Workstation 2RU
NS103-FLIRSVR-2U	FLIR Industrial Linux Server 2RU

1.4 Specials

Items under this section are for specialized sales only.
System configurations shall be approved by ns.sales@flir.com.

1.4.1 Appliances – Miniserver NoVideo 2

This Miniserver has no video encoders.
It represents a more cost-effective solution to network sensors with no video capabilities, such as Radars or Ground Sensors

NS101-NV2CF	MiniServer NoVideo2 (new box, dual video loopback)

1.4.2 Appliances – Server Accessories & Spares

NS301-CFOS-NEX	Industrial Grade Compact Flash with Linux and Nexus

This spare part allows changing Firmware on the field. Upgrades must be done by an authorized FLIR Service Center under RMA.

NS301-DOC2CF-UPG	MiniServer DiskOnChip to Compact Flash Upgrade

This upgrade allows old DOC based Miniservers to be upgraded to Compact Flash System so they can support the latest Nexus Server software versions.

1.4.3 Embedded / Electronic Boards

NS102-IOBOX232	Ifara IO Box Serial Version (requires PC I/O Sensor Server)

1.5 Computers & System Components


USB Dongle


FSM CD


Expansion Card


Encoding Card


FSM Desktop Workstation


FSM USB Joystick


TFT Monitor

NS303-DONGLE-USB	USB Dongle to host Console Licenses
NS303-FSM-CD	FLIR Sensors Manager - CD and Manuals, no USB dongle
NS303-JOY-USB12B	Industrial Grade FSM USB Joystick 12 button + twist
NS303-LCD-19	Additional 19" TFT Monitor
NS303-OS-WINXP	Windows XP Pro OEM License
NS303-OS-REDHAT	Linux Red Hat Enterprise License

Workstation Accessories:

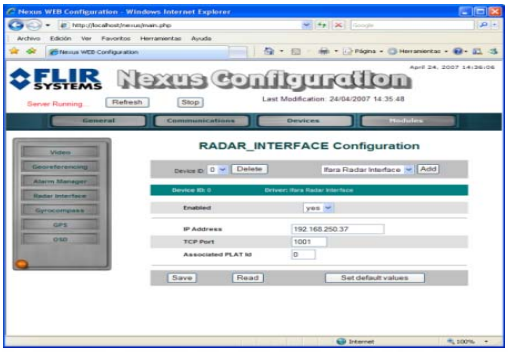
NS103-DSKTOP-WKS	FLIR Desktop Workstation
NS303-PCIE-VGA	PCI -E Secondary VGA Card

Server Accessories:

NS303-PCIX-2-232	PCI 2 Serial Port Expansion Card
NS303-PCIX-4-232	PCI 4 Serial Port Expansion Card
NS303-PCIX-8-232	PCI 8 Serial Port Expansion Card
NS303-PCIX-4-MP4	PCI -X 4 Channel MPEG-4 Encoding Card
NS303-PCIE-4-FG	PCI -E 4 Channel Analog Frame Grabber Card

2 Software Products

Comprehensive software tools to integrate cameras, radars, and other sensors into a seamless security network.



2.1 Middleware/OEM Licenses

2.1.1 Legacy and Third Party Sensor Servers

The Nexus Server software adds connectivity, compatibility and Geo-referencing to any sensing device.
A list of supported devices is available from ns.sales@flir.com.
Drivers for new devices can be developed upon request (see page 29).

NS201-LRNET-3	Long Range Sensor Server
NS201-SRNET-3	Short Range Sensor Server
NS201-RADNET-3	Radar Sensor Server
NS201-RADNETSR-3	Radar Sensor Server Short Range
NS201-AISNET-3	AIS Sensor Server
NS201-CCTVNET-3	CCTV Sensor Server
NS201-METEO-3	Meteo Station Sensor Server
NS201-IONET-3	Fence or I/O Sensor Server (8 I/O contacts)
NS201-GNDS-3	Ground Sensor Server (10 sensor units)
NS201-NAV-3	Navigation Sensors Server (mobile units)
NS201-FIXSITE-3	Fixed Camera Site (no telemetry)

2.1.2 Nexus Server Options

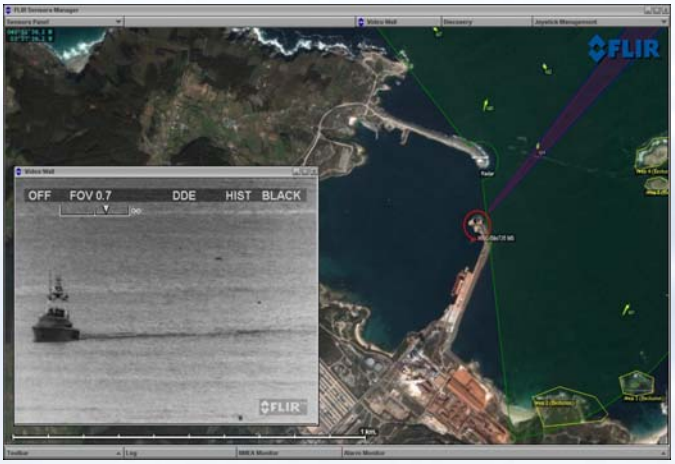
These software plug-ins add functionality to a given camera

NS203-ALMGR-3	Alarm Manager module
NS203-RADAR-3	Radar Interface module
NS203-VTRK-3	Video Tracking module

2.2 FLIR Sensors Manager

"FLIR Sensors Manager" (FSM) is FLIR's new generation graphical user interface to manage and display information from Nexus enabled sensors. This new software platform offers a state of the art, comprehensive approach to usability. It is entirely based on Microsoft's .NET platform, and takes advantage of its graphical effects.

FSM offers powerful and efficient management capabilities for any security installation with FLIR Systems thermal imaging cameras. FSM allows to automatically locate FLIR Systems thermal imaging cameras in the network and to easily control them. Just connect the thermal imaging camera to the network, install FLIR Sensors Manager and hit the "discover" button and you will be able to manage and control the camera.
Thanks to FLIR Sensors Manager, the management of FLIR Systems thermal imaging cameras over a network will become extremely easy.



The **Basic** version of FLIR Sensors Manager allows to:

- Discover sensors in the network
- Command and control of up to four networked sensors: focus, pan/tilt, zoom…
- Display network video
- Define presets
- Manage scan lists
- Create panoramas
- Configure user profiles
- (toolbars, layout, etc)
- Show thermal images on multiple monitors
- Capture images
- Geo Mapping: allows to geo-calibrate a map so that any geo-referenced Nexus sensor can be managed and displayed on it

The **Pro** version of FLIR Sensors Manager contains all the features that are incorporated in the Basic version, plus a number of useful modes that will help you make the most out of your security network:

- **Video analytics**: Allows to perform video analytics within FLIR Sensors Manager. It includes:
    - **Video Motion Detection**: FLIR's proprietary algorithm will work on thermal or visible video in the harshest environments.
    - **Target detection** with alarms based on spatial rules like trip wires crossing or areas triggered by enter, exit or both events.
    - Software based **video-tracking** of moving objects for control of PTZ sensors.
- **E-stab**: Provides a steady image. Can be extremely useful when cameras are installed on high poles where they can be affected by wind or vibration.
- **Radar Cueing and radar tracks display**: Allows display of real-time position and classification information of radar targets (ID, course, speed, lat/lon, classification, etc.) coming from Nexus enabled radars. Allows users to command cameras in advanced radar slave modes (ARPA tracking).
- **Video wall display**: Allows fully configurable video mosaic layouts, supporting both network and analog frame-grabber sources.

Both the Basic and the Pro versions of FLIR Sensors Manager allow multiple users to share monitoring and control of up to four FLIR Systems thermal imaging camera. Different license packages to manage more than one camera are available. Additional sensor licenses can be added to manage up to 50 sensors from a single workstation. Packages can be upgraded so that FLIR Sensors Manager can grow together with your security network.

FSM is Windows 7 compatible.

NS204-FSM-GUI-3	FLIR Sensors Manager - Demo (*)
NS204-FSM-BAS-3	FLIR Sensors Manager - Basic bundle
NS204-FSM-PRO-3	FLIR Sensors Manager - Pro bundle
NS204-FSM-ADS-3	FLIR Sensors Manager Additional Sensor
NS204-FSM-B2P-3	FLIR Sensors Manager Basic to Pro Upgrade
NS204-FSM-MAP-3	FLIR Sensors Manager Map Option for Video Security Edition

(*) Note: The Demo version can be downloaded on an "as is" basis at: http://ns.flir.com

FLIR Sensors Manager Basic and Pro bundle are packaged in a retail box, that includes a printed copy of the software, manual, support services brochure, CD and quick setup guide.
Production lot for FLIR Sensors Manager Basic and Pro is 25 units, volume discounts apply.
FSM upgrades or text based licenses must be activated on-line, except for FSM Basic and Pro bundles, where the license is packaged in a USB Dongle included in the box.
Software can be registered at FLIR Developers Network, under http://ns.flir.com

Technical Support: MTSA contracts are available for FSM installations (see Professional Services).

2.3 FLIR Developer Tools

2.3.1 FLIR Sensors SDK

The Nexus Software Developers Kit (SDK) is a tool in the form of software libraries that helps systems integrators to deploy FLIR Systems thermal imaging cameras in large, existing or new, security networks.
The SDK allows application programming with FLIR Systems thermal imaging cameras. If you are a systems integrator that wants to build its own system utilizing thermal imaging cameras for a security application, then the SDK together with FLIR Systems' thermal imaging cameras will give you a jump start in your task. The SDK will allow you to fully exploit the possibilities that FLIR's unique Nexus sensors connectivity technology offers and combine camera functionality with other sensors and detection devices.
Nexus SDK is available for multiple Programming Environments, including Microsoft Visual Studio (Active X, DLL), Microsoft .NET framework and Linux.

NS205-SDK-2 FLIR Sensors SDK (*)

(*) Note: The Nexus SDK can be downloaded free of charge on an "as is" basis from: http://ns.flir.com
Packages provided "as is", FDN support purchased separately, no runtime license is required.

2.3.2 FLIR Video Player

The FLIR Video Player is a software component that allows systems integrators to easily embed video display from FLIR's networking products in their applications. The standard version of the FLIR Video Player can be downloaded on an "as is" basis from FLIR Developers Network website.

A number of useful plug-ins, including from framegrabber video recording and Video Motion Detection to Analytics, Video Tracking and Electronic Video Stabilization are optionally available. These will dramatically increase the functionality of the FLIR Video Player.

Optional Technical Support and Professional Services packages are available from FLIR Networked Systems.

The FLIR Video Player (Basic) can be downloaded free of charge on an "as is" basis from: http://ns.flir.com.

A single runtime license can be used to display and process multiple video streams on a PC

A runtime license is required to activate advanced options in the FLIR Video Player

NS205-VP-2	FLIR Video Player (*)
NS205-VP-ACQ-2	FLIR Video Player Video Analytics and Tracking Option
NS205-VP-VMD-2	FLIR Video Player Video Motion Detection Option
NS205-VP-ESTAB-2	FLIR Video Player Electronic Stabilization and Filtering Option
NS205-VP-REC-2	FLIR Video Player Video Recording and Recasting Option
NS205-VP-PRO-2	FLIR Video Player Image Processing Bundle

(*) Note: In order to download the FLIR SDK and FLIR Video Player, developers must first apply for registration at "FLIR Developers Network" (http://ns.flir.com). Packages provided "as is", FDN support purchased separately. FLIR Video Player requires no runtime license for basic functionality

2.3.3 FLIR Sensor Maps

The FLIR Sensor Maps Tool is a software component that allows systems integrators to easily manage and display geo-referenced information from sensors in their applications.

This ActiveX is optimized for efficient rendering of dynamic information and real-time updates from multiple sensors over raster and vector map layers. Its rich programmer's interface offers easy implementation of icons, camera cones, radar symbology, cursor modes, alarm areas and different graphical tools for scales and distance.

Optional technical support and Professional Services packages are available from FLIR Networked Systems.
A runtime license is required per PC using this component.

NS205-MAP-2 FLIR Sensor Maps Tool (GIS library)

2.4 SPECIALS

Items under this section are for specialized sales only. System configurations shall be approved by ns.sales@flir.com

2.4.1 OEM Video Storage Server Options

Only for Certified Customers and Server Platforms. FLIR sells the OEM nDVR software together with an installation manual. The system integrator is responsible for sizing, selection and O.S. and software installation and configuration. Support from FNS is available under Professional Services.

NS202-DVR-02CH-3	nDVR Server 2 cameras, 5 clients 90Mbps
NS202-DVR-04CH-3	nDVR Server 4 cameras, 5 clients 90Mbps
NS202-DVR-08CH-3	nDVR Server 8 cameras, 5 clients 90Mbps
NS202-DVR-16CH-3	nDVR Server 16 cameras, 5 clients 90Mbps
NS202-DVR-25CH-3	nDVR Server 25 cameras, 10 clients 90Mbps

2.4.2 Nexus Server Options

NS203-GEO-3	Georeferencing module
NS203-NMEARAD-3	NMEA Msg Radar Interface module

2.4.3 Nexus Console

V2 legacy product, not to be actively promoted, just for continuity, will be discontinued end 2010.
Nexus Console cannot be sold after June 30th, 2010.

NS204-NEX-GUI-2	Nexus Console Point to Point - free "as is" distribution
NS204-NEX-04S-2	Nexus Console 1-4 Sensors
NS204-NEX-20S-2	Nexus Console 5-20 Sensors
NS204-NEX-50S-2	Nexus Console 21-50 Sensors
NS204-NEX-SM-2	Surveillance Monitor Console Option
NS204-NEX-IPP-2	Image Post Processing Console Option
NS204-NEX-GIS-2	Advanced Cartography Console Option
NS204-NEX-RAD-2	Radar Cueing and Tracks Display Console Option

2.4.4 FLIR Sensors Manager

License strings for FSM are to be used only as Nexus Console v3, just for upgrades from Nexus Console installations.
Maintenance Technical Support Agreement must be purchased separately.

NS204-FSM-04S-3	FLIR Sensors Manager 1-4 Sensors Package
NS204-FSM-SM-3	FSM Surveillance Monitor Option
NS204-FSM-IPP-3	FSM Image Post Processing Option
NS204-FSM-MAP-3	FSM Geo Mapping Option
NS204-FSM-RAD-3	FSM Radar Cueing and Tracks Display Option
NS204-FSM-VWAL-3	FSM VideoWall Display Option
NS206-NEX-WIDG-3	Nexus Desktop Widgets
NS206-NEXW-ADD-3	Nexus Desktop Widget Additional Sensor

3 Professional Services

More and more, Nexus technology is embedded more intimately in new FLIR cameras. This has allowed FNS to standardize our Customer Service procedures and to benefit from FLIR's existing infrastructure for first line support. In order to maintain our demanding standards in QoS for an increasing Customers base, FNS offers defined contracts of different types and levels.
These subscriptions are annual programs that model our level of service per Customer/Project (Applications) or Development Team/Project (Developers). Our specialized staff is in this way available as a second line support for those demanding Customers that require one more step in Service. Every Customer is important to us. This strategy simply allows the engineering team at FLIR NS to focus in added value services when these are required.

A generic service request from a Customer shall follow these steps:

1) Product troubleshooting

- Issues under warranty
- Product Documentation
- Basic product operation and configuration

FLIR Customer Services
Eurasia /Americas
http://www.flir.com/service

2) System Configuration and Applications

- System cabling and pinouts
- Third party basic interconnection (e.g. CCTV)
- Basic networking or software setup

FLIR Applications Engineering
Eurasia /Americas
(E.g. iTeam Santa Barbara)

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3) Advanced Technical Support (FNS Added Value Packages)

- MTSA (End Users/System Administrators):
  - Standard MTSA (PTZ, network switch, GUI, etc)
  - Advanced Support (Multisensors, routers, firewalls…)
- FLIR Developers Network (Std/Bronze/Silver)
- FLIR nDVR Support Packages
- Professional Services (Consulting, On Site, Training, etc.)

Added Value Services
FLIR Networked Systems
Alcobendas (Spain)

3.1 Software Maintenance and Technical Support Agreements (MTSA)

(End Users or System Administrators configuring systems)

An MTSA contract covers all Nexus software in a Customer installation/Project.
A software MTSA regulates different levels of annual support to System Adminstrators in charge of maintaining, configuring or upgrading systems on the field, and to End Users using these Nexus products, for a given Project/Installation.

Standard MTSA

- Support for standard product configurations
- Software updates
- Emails with response within 1 week
- Access to FNS Website (Application Notes, FAQs, etc)

Single Camera Installations (less than 4 sensors)

NS501-MTSA-BAS FLIR Networked Products - Standard MTSA Annual Fee

Advanced MTSA

- Same coverage as MTSA, plus additional benefits
- Support for advanced product configurations (*)
- Emails with response within 2 business days
- Calls during business hours

Multisensor, radar, and Network Installations

Advanced Product Configuration

Telephone Support

NS501-MTSA-ADV FLIR Networked Products - Advanced Support Annual Fee

(*) Long Range Multisensors, Network installations with more than 4 sensors and Radar based systems require Advanced MTSA

3.2 FLIR Developers Network (FDN)

FDN subscriptions cover support for Software Developers using Nexus SDK, FLIR Video Player or Sensor Maps Tool

FLIR Nexus SDK and FLIR Video Player are now offered free of charge. These two software packages can be downloaded from http://ns.flir.com, by FDN registered users, and are provided on an "as is" basis. Developers can apply for FDN registration using the on-line Application Form. Different levels of support allow Customers to select the support services that best suit the needs of their Project (levels are incremental):

FDN Standard

- Basic web registration, subject to approval
- Download of FLIR Nexus SDK and Video Player
- Access to FDN Website, emails with product updates and news

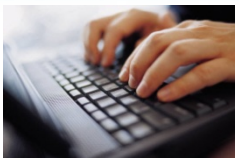
FDN Bronze

- Email support with response within 1 week
- Free software updates of developer tools
- Generation of Evaluation Licenses (Server, FLIR Video Player, FLIR Maps)

FDN Silver

- Same coverage as Bronze, plus:
  - Email support with response within 2 business days
  - Calls during business hours
  - Priority in support waiting lists (resource assignment)

FDN



Windows 7

Windows xp Professional

NS502-FDN-BRZ	Nexus Developers Network Annual Subscription – Bronze
NS502-FDN-SILVR	Nexus Developers Network Annual Subscription – Silver

3.3 Software Maintenance and Technical Support for FLIR nDVR Systems

One contract covers all Media Servers in a Customer´s “site” (see definition below)
All Media Servers (FLIR nDVR) in same installation must be activated under contract
An nDVR MTSA ensures fast response for data integrity issues or system configuration, and software upgrades to latest system features.

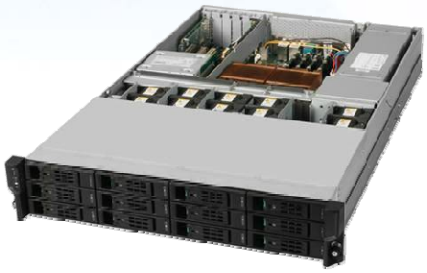
Standard FLIR nDVR MTSA

- Support for standard product configurations
- Software updates
- Emails with response within 1 week
- Access to FNS Website

Note: MTSA for nDVR systems cover all media servers in a given "site". This is a geographical location, sector or control room managed by a local IT team (ask http://ns.sales.com to ensure optimum coverage).

FLIR nDVR Remote Maintenance Program

- Same terms as MTSA
- Support for advanced storage/network configurations
- Emails with response within 2 business days
- Calls during business hours and live remote access to nDVR
- Includes one (remote) full nDVR revision per year
- Requires broadband TCP/IP connectivity from FNS (min 256kbps)



NS503-DVR-MTSA	Nexus nDVR MTSA Renewal One Year (per "site" - see note)
NS503-DVR-TELEM	Remote Maintenance Annual Program for nDVR (per site)

3.4 Professional Services

3.4.1 Per Diem Rates and Packages

3.4.1.1 Consulting, System Design, OnSite Support & Training 1 Day

Profile: FNS Consultant/Senior Analyst, Software Engineer
Description: CONSULT rate applies to senior staff tasks like Consulting or System Design, and also to Technical Support or Training tasks, when these latter are to be rendered on site. Fare applies too to travelling days (see T&Cs).

NS504-CONSULT-1D	Consulting, System Design, OnSite Support & Training 1 Day

3.4.1.2 Software Development, In Factory Training, FAT 1 Day

Profile: Software, Hardware or Applications Engineer
Description: TECHSUP rate applies to engineering, training or testing tasks when carried out at FNS facilities, during business hours.

NS504-TECHSUP-1D	Software Development, In Factory Training, FAT 1 Day

3.4.1.3 Experts On Call Service 1 Day

Description: FNS reserves appropriate staff that will be on call during one complete working day (8h) as scheduled with Customer that requires full support during on site travel, demo or deadline. Service must be booked at least one week in advance.

NS504-EOCALL-1D	Experts On Call Service 1 Day

3.4.1.4 On Site Services Holiday Surcharge 1 Day

Description: This fee is to be added to any per diem service fare that is booked on a holiday, according to Madrid, Spain working calendar. One fee per holiday.

NS504-SURCHG-1D	On Site Services Holiday Surcharge 1 Day

3.4.1.5 Week On Site - System Analysis, Consulting, Networking

Profile: *FNS Consultant/Senior Analyst, Software Engineer*
Description: Help the Customer design his system architecture, network, documentation and sensors software interfaces (FLIR products and third party software or devices like VMS or Radar).

NS504-WOS-CONS	Week On Site - System Analysis, Consulting, Networking

3.4.1.6 Week On Site - Software Developers Support

Profile: *Software Engineer*
Description: Help Customer's software development team integrating FLIR Developer's Tools into his own application, with tips and recommendations on how to better control and display video or integrate FLIR cameras with other Nexus sensors.

NS504-WOS-DEVSUP	Week On Site - Software Developers Support

3.4.1.7 Week On Site - Integration Support

NS504-WOS-INTSUP	Week On Site - Integration Support

3.4.1.8 Week On Site - Software Configuration

Profile: *Applications Engineer*
Description: Help Customer with integration of FLIR cameras with other devices, configuring the network, servers, and applications.

NS504-WOS-SWCONF	Week On Site - Software Configuration

3.4.1.9 Week On Site – Training

Profile: *Applications Engineer*
Description: Use standard Nexus documentation for hands-on training at Customer's facilities. Max. 5 trainees per trainer. Specific training docs quoted separately.

NS504-WOS-TRAIN	Week On Site - Nexus hands-on training (no materials incl.)

3.4.1.10 Nexus Driver Development Fee, single device

Description: Standard NRE fee (*) that covers software development of a new Nexus Driver for a single device sensor (e.g. camera, pan&tilt, ground sensor, or tracks only interface to a radar).

NS504-DRIVER-SNG Nexus Driver Development Fee, single device

3.4.1.11 Nexus Driver Development Fee, multisensor package

Description: Standard NRE fee (*) that covers software development of a new Nexus Driver for a sensor made up of multiple devices (e.g. SeaFLIR, Multisensor) or for a complex sub-system (e.g. multiprotocol device or bidirectional radar interface).

NS-504-DRIVER-MS Nexus Driver Development Fee, multisensor package

(*) See Professional Services Terms and Conditions for Nexus Drivers development.
A list with all supported Nexus sensors and devices is available from ns.sales@flir.com

3.4.1.12 Factory System repair, diagnostics, test or upgrade 1 Hour

Description: Hourly rate for in-factory direct labour for RMA or software install, diagnostics or system configuration.

NS504-RMA-1H Factory System repair, diagnostics, test or upgrade 1 Hour

3.4.2 Professional Services T&Cs

All travel expenses (airfare, lodging, meals, and transportation) to be invoiced separately.

Travel to be included in schedule. For overseas services allow two days travel.

If travel on holidays is required, an On Site Surcharge item shall be applied for each non-labour day according to Madrid working calendar.

On Site Services must be booked at least 15 days in advance, subject to availability.
Payment terms: 30% ARO, 70% invoiced end of month of services, together with travel expenses.

Drivers Development require hardware, ICDs and device software to be made available by Customer at FNS during development and support periods.

Development time 4-6 weeks from delivery of required items at FNS.

Any travel or on site integration required will be invoiced separately as On Site Professional Services.

The Customer or Device Manufacturer must clear any TAA or Export Regulation documents that may be required for FNS to have access to ICDs and hardware.

MTSA contracts cover a Customer's Site/Project. MTSA is intended for End Users and System Administrators (Web Configurator issues, server or console application software updates, network settings, etc.).

FDN Subscriptions (Bronze/Silver) cover a group of developers working in a Project. FDN is intended to support System Integrators (software development issues using FLIR Developers Tools and programming C2 Applications that use Nexus).

FLIR Networked Systems International Terms and Conditions apply.

Sales and Service contact information

FNS Sales Enquiries: ns.sales@flir.com

Alberto Alcocer

Tel.: +34 91 490 40 60

Commercial Systems Service Department:

Eurasia: eurasiaservice.cvs@flir.com

US: sales@flir.com

FLIR Government Systems Service Department:

Eurasia: service@flir.uk.com

US: Imagingboston.Support@FLIR.com

FLIR Networked Systems Technical Support (only MTSA/FDN Customers):

nexus.support@flir.com

Links

FLIR Developers Network and FNS contact:
http://ns.flir.com

FLIR Networked Systems Overview:
http://www.flir.com/uploadedFiles/Eurasia/Homeland_Security/FLIRNetworkedServices.pdf

FSM Software downloads:
https://ns.flir.com/fns/downloads

FLIR Sensors Manager datasheet:
http://www.flir.com/uploadedFiles/Eurasia/MMC/Netw_Systems/NS_0006_EN.pdf

FLIR nDVR datasheet:
http://www.flir.com/uploadedFiles/Eurasia/Homeland_Security/FLIRnDVR.pdf

FLIR SDK datasheet:
http://www.flir.com/uploadedFiles/Eurasia/Homeland_Security/FLIRSDK.pdf

FLIR Video Player datasheet:
http://www.flir.com/uploadedFiles/Eurasia/Homeland_Security/FLIRVideoplayer.pdf

FLIR Sensor Maps datasheet:
http://www.flir.com/uploadedFiles/Eurasia/Homeland_Security/FLIRsensormaps.pdf

FLIR FDN datasheet (Support Contracts):
http://www.flir.com/uploadedFiles/Eurasia/MMC/Netw_Systems/NS_0008_EN.pdf

Glossary of Terms

ATR	Acceptance Tests Results
CCTV	Closed-Circuit Television
COTS	Commercial off-the-shelf
EFIS	Electronic Flight Instrument System
FAT	Factory Acceptance Test
FDN	FLIR Developers Network
FLIR	Forward Looking Infrared
FNS	FLIR Networked Systems
FSM	FLIR Sensors Manager
I/O	Input-Output
IR	Infrared Radiation
LAN	Local Area Network
LR	Long Range
LRF	Laser Range Finder
MFD	Multifunction Display
MTSA	Maintenance and Technical Support Agreement
NRE	Non Recurring Expenses
nDVR	Network Digital Video Recorder
OEM	Original Equipment Manufacturer
OSD	On Screen Display
RAID	Redundant Array of Inexpensive Disks
RMA	Return Merchandise Authorization
SAN	Storage Area Network
SDK	Software Development Kit
SOW	Statement of Work
SR	Short Range
TAA	Technical Assistant Agreement
TCP/IP	Transmission Control Protocol / Internet Protocol
UAV	Unmanned Aerial Vehicle
UDP	User Datagram Protocol
VMD	Video Motion Detection

Special Engineering Request (SER)

(Required for any product, performance, price, or terms not on Price List)

This page is to be filled out by FLIR Direct Sales Person – then submitted to Sales Operations.

Responsible FLIR Sales Person(s):

Customer name:

User/Site location:

Contact name:

Contact phone:

Contact email:

Opportunity Information:

Product Part Number:

Quantity Desired:

Order Expected Date:

Application Description: (what the customer is trying to do and why they cannot use standard product)

Non-Standard Configuration Desired: (Modifications to standard product do you think they need?)

Non-Standard terms desired:

Notes