

Lookout – Web-Enabled HMI/SCADA Software

NI Lookout

- HMI/SCADA software
- Object-based architecture
- Easy networking
- OPC client and server
- Online configuration
- Web control and monitoring
- NT service capability
- Distributed alarms and data logging
- Built-in security
- Database and MES connectivity
- Event-driven processing

Operating Systems

- Windows 2000/NT/XP



Overview

National Instruments Lookout is a Web-enabled HMI/SCADA software system that delivers unparalleled power and ease of use for demanding manufacturing and process control applications. With Lookout, developing your HMI/SCADA application takes less time, delivering substantial savings on overall project costs.

Network and Connectivity

With Lookout, you can collect real-time information for faster decision making, while providing access to authorized users only. Simply browse and select to connect to any computer in a network. NI Lookout uses TCP/IP-based networking technology to instantly view and control I/O points anywhere in the network. In addition, you can both monitor and control your process using a Web browser, without experience in HTML or XML programming.

Visit ni.com/lookout to see how you can quickly and efficiently configure a process to monitor plant activities through the Web.

Reliable Performance for Diverse Applications

Engineers use Lookout to reliably control and monitor a wide variety of industrial applications, such as chemical and petrochemical plants, oil and gas pipelines, water and wastewater plants, pharmaceutical plants, food processing plants, paper mills, energy management systems, and commercial building automation.

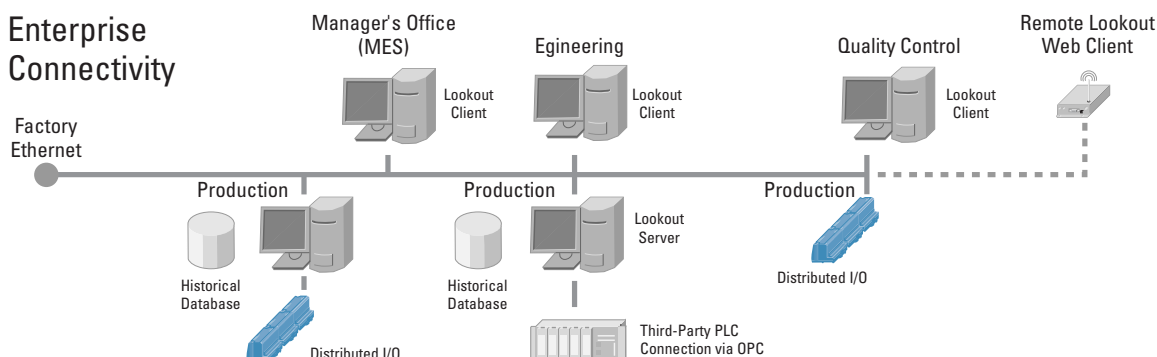
To accomplish all these tasks, Lookout brings you a host of features and benefits:

Open Connectivity

- Drop any ActiveX object (except methods and events) into your Lookout HMI
- Connect to OPC clients and servers
- Connect to programming environments, such as Microsoft Visual Basic, Java, Java-enabled tools, Borland Delphi, C, and C++
- Connect to a wide variety of National Instruments and third-party hardware

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Enterprise Connectivity



Web-Enabled HMI/SCADA Software

Online Configuration

- Modify the application without interrupting device communications
- Eliminate gaps in data and alarm monitoring
- Develop and modify applications without process downtime

Distributed Logging

- Log and retrieve data from any computer on a network
- Use configuration-based logging tools for instant data logging
- Maintain process history accurately and automatically

Distributed Alarms and Events

- Create an audit trail using event logging
- View and acknowledge alarms and events from anywhere in a network
- Alert a pager or cell phone, or play your own voice messages on alarm conditions
- Use the new Historical Data Viewer to better visualize and manage your data

NT Service Capability

- Windows 2000/NT/XP service
- Full functionality independent of login status at workstation

Security

- Lock Lookout so users cannot close, minimize, or exit once it is operating
- Provide read or write access levels to processes, folders, and objects based on security levels
- Activate security based on IP addresses
- Use the same security setup for all clients, including remote Web clients

Event-Driven Performance

- React to events substantially faster than loop-based software
- Poll more than 50,000 I/O points
- Scale your application with little performance loss

Lookout Client Licenses

A license is required for any NI Lookout client who needs to connect to a server process running Lookout to access information (for instance, Web browsers and Lookout client software).

Redundant Systems

For a redundant system, you need two software licenses (one for the primary computer and another for the secondary) and one client license (for the secondary computer to connect to the primary computer). If you have client licenses, with which clients can connect to the primary computer, you must purchase the same number of clients for the redundant computer.

Object Developer Toolkit

Some OEMs and value-added resellers customize Lookout by creating new objects with the Object Developer Toolkit. The toolkit includes a manual, sample source code, requisite files, and technical support. It requires a C/C++ compiler.

Ordering Information

NI Lookout Enterprise Development/Run-Time Server (Includes four client licenses)	
Unlimited I/O*	778100-91
NI Lookout Enterprise Run-Time Only Server (Includes four client licenses)	
Unlimited I/O*	778101-91
NI Lookout Development/Run-Time Server (With no client licenses)	
Unlimited I/O*	777320-91
NI Lookout Run-Time Only Server (With no client licenses)	
Unlimited I/O*	777321-91
NI Lookout Client Licenses	
Each additional concurrent client connection	778102-01
NI Lookout Enterprise Server	
Unlimited Client License	778102-02
NI Lookout Server	
Unlimited Client License	778102-03
NI Lookout Integrator Software (Includes one client connection)	
Unlimited I/O	777324-91

NI Lookout Client Software	
NI Lookout Development/Run-Time (Can go to edit mode)	778105-01
NI Lookout Run-Time-Only (FREE, no edit mode)	778106-01

Add-On Software and Services

Object Developer Toolkit.....777325-01

Training (Refer to page 768 for details.)

Technical Support Subscription Service

Development, Run-Time Only or
 Integration Software930325-01
Development or Run-Time Only Client.....930326-01

*For additional I/O configurations, please see ni.com/lookout

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