

Autoscope®

Software Developer's Kit

The Autoscope® Software Developer's Kit (SDK) provides the tools necessary to integrate Autoscope video detection systems with existing traffic management applications and to develop new custom software applications which use the advanced traffic detection information provided by the Autoscope wide area video vehicle detection system.

Complete documentation, sample application programs with source code, a client application programming interface (CLAPI), a communications server, and single-user license are provided. The kit allows anyone with computer programming skills to develop an application that retrieves information from Autoscope video detection systems for a traffic control incident response, or traffic data collection system.

APPLICATIONS

- Traffic incident management
 - Highways
 - Tunnels
 - Bridges
- Junction control
- Traffic data collection
- Work zone safety and traffic control
- Traveler information systems
- Journey time
- Remote video surveillance

FEATURES

- Provides tools and software necessary to develop custom client applications
- Provides source code examples of how to request data and use messages and options
- Promotes application development that is capable of requesting and receiving traffic data from Autoscope video detection systems
- Performs error checking and offers complete logging of data communications for systems integrators
- Provides the means to acquire and save to disk various traffic parameters
- Supports communications with a large network (over 300) of Autoscope devices

BENEFITS

- Customized applications to utilize advanced traffic management information
- Customized acquisition and real-time processing of traffic data, such as volume, speed, and occupancy
- Alarm generation to alert traffic operators to current traffic anomalies
- Development tools to analyze traffic trends and archive data for off-line analysis



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Communications Server - 65.219.125.68

File View Help

Status

Up-Time: 2510652

Clients: 7

Ports: 7

Hide

Terminate

Clients:

Number	Client	User	Mess...	Handles ...	Port	Address
569	Data Collector (49)	Administrator	274740	0	40456	127.0.0.1
967	Browser (31)	Stn 1	20	0	15405	65.219.165.69
969	Detector Editor (...)	Stn 1	3	1	63539	65.219.165.69
970	Front Panel (32)	Stn 1	65	1	6676	65.219.165.69
971	Autoscope Prop...	Stn 1	7	1	10810	65.219.165.69
972	Video Player (45)	Stn 3	3	1	45100	65.219.165.69
973	Video Player (45)	Stn 3	5	1	14399	65.219.165.69

Ports:

Description	Baud	Sent	Received	Errors Received
Offline Port	0	0	0	0
COM1	0	9	0	9
COM2	115200	1292167	1276859	15318
TCPIP_SOCKET	0	889	886	4
TCPIP_SOCKET	0	24	21	4
TCPIP_SOCKET	0	0	0	0
TCPIP_SOCKET	0	91	85	7

The Autoscope Communications Server (Comserver) provides diagnostic information and complete messages, status, and error logging to facilitate rapid application development.

CONTACTS

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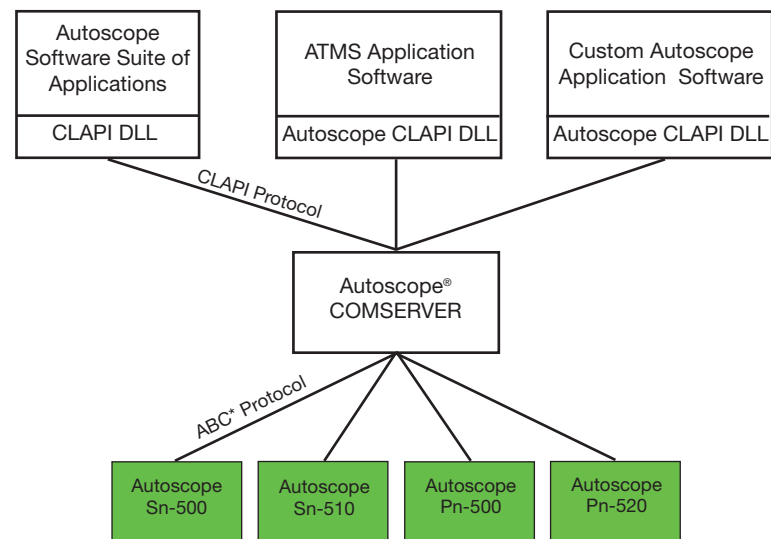
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Traffic Management Center Client Server Architecture



*Autoscope Basic Communications Protocol

