Siqura MX™ SDK

Features

- Comprehensive set of controls for third-party integration
- ActiveX-based
- Supports:
  - *i*-NVR
  - C-series video codecs
  - S-series video codecs
  - Siqura boxed and fixed dome cameras
  - Siqura minidomes and high-speed domes
- Extensive range of examples included
- Supports multiple programming languages

Description

The Siqura® MX™ ActiveX-based Software Development Kit is a complete and easy-to-use development environment. It offers a third-party software developer all the necessary tools to easily and quickly write applications to integrate with Siqura's C-series and S-series codecs/servers, IP cameras, and i-NVR storage equipment.

The ActiveX controls in the Siqura MX™ SDK make it possible to receive streaming video, to transmit and receive audio, data, and contact closure streams, and to perform management and control tasks (e.g., requesting a connection and editing a device list).

The MX™ SDK comes with a tutorial that includes an extensive range of comprehensive examples, making it easy to get started and to use the Siqura MX™ SDK for your application.

The Siqura MX™ SDK is compatible with a variety of development environments and programming languages that support ActiveX components. The Siqura MX™ SDK supports the Windows operating system.

Siqura Surveillance Solutions

The Siqura MX™ SDK is part of Siqura, a complete collection of surveillance equipment and solutions. Siqura offers video codecs/servers, IP cameras, video management, network storage, and configuration software

Ordering information

Model	Description
Siqura MX™ SDK Standard	ActiveX-based Software Development Kit for third-party software integration

Required

Siqura MX™ SDK Support Agreement

Siqura MX™ SDK

Technical Specifications

PC requirements*

CPU minimum	Intel Pentium 4, 2 GHz
CPU recommended	Intel Pentium Dual-Core 3 GHz or better
Memory	1024 MB RAM or more
Video card	DirectX 9c compatible*, open GL1.2 OpenGL i.c.w. NVR Player SDK
Operating system	Windows XP/Vista
LAN port	10/100/1000Base-TX
HD free space	>50 Mb

Contact Optelecom-NKF for the latest specs.

MX™ SDK Supported ActiveX Controls

MX Application	The MX Application Agent makes the application visible in the MX network.
Video Receiver (VR)	The MX Video Receiver control is a video receiving and presentation canvas. It contains properties for video settings and events.
Audio Transmitter (AT)	The Audio Transmitter control makes it possible to stream an audio source such as a microphone, line in, or wave out to a remote audio-out port.
Audio Receiver (AR)	The Audio Receiver control can be used to render an audio stream on the PC speaker.
Data Transmitter (DT)	The Data Transmitter control can be used to send a data stream (over IP) to a remote serial data port.
Data Receiver (DR)	The Data Receiver control can be used to receive a data stream (over IP) from a remote serial port on an Optelecom-NKF codec/video server.
Contact Transmitter (CT)	The Contact Transmitter control can be used to send a new contact state.
Contact Receiver (CR)	The Contact Receiver control can be used to return the current state of a contact.
PTZ Transmitter	The MX PTZ Transmitter is a specialized data transmitter control. The PTZ component has a more elaborate (PTZ-specific) programming interface.
Stream Transceiver	The Stream Transceiver is an interface (that can be created by MX Media Gateway) to forward any kind of Optelecom-NKF stream from a given unicast/multicast source to a remote unicast/multicast destination.
Media Gateway	The Media Gateway contains a collection of stream transceivers that can be used to forward several media streams at the same time.
Video Playback	The MX Video Playback control is a video footage presentation canvas. Properties (used to adjust video settings and to navigate during video playback), methods (for controlling video playback), and events (such as VideoPlaybackEnd) are available.
Connection Requester	The Connection Requester is a component in the network. It uses invisible Siqura protocol to establish stream connections.
Device List (DL)	The Device List is a collection of device objects. Each device can have a collection of connectors and properties that allows you to manipulate settings of the device.
Event Alarm Receiver (EAR)	The Event Alarm Receiver allows you to receive events or alarms from the network.
i-NVR Player SDK	The i-NVR Player SDK is an ActiveX component capable of controlling the Siqura i-NVR system. Using the i-NVR Player SDK is easy since it is an ActiveX component that can be used in various applications.

MX SDK Support Matrix	Windows XP	Windows Server 2003	Windows Vista
Borland Delphi 2007	O	O	O
Microsoft Visual Basic 6	O	O	N.A.
Microsoft Visual C++6	O	O	N.A.
Microsoft Visual C#2003	√	√	O
Microsoft Visual Basic .NET 2003	√	√	O
Microsoft Visual C++2003 (Managed .NET)	√	√	O
Microsoft Visual C++2003 (Unmanaged)	O	O	O
Microsoft Visual C#2005	√	√	√
Microsoft Visual Basic 2005	√	√	√
Microsoft Visual C++2005 (Managed .NET)	√	√	√
Microsoft Visual C++2005 (Unmanaged)	O	O	O
Microsoft Visual C#2008	√	√	√
Microsoft Visual Basic 2008	√	√	√
Microsoft Visual C++2008 (Managed .NET)	√	√	√
Microsoft Visual C++2008 (Unmanaged)	O	O	O

√	Supported by optelecom-NKF
O	Expected to work but, not Supported by optelecom-NKF

Optelecom-nkf

The quality management system utilized in the development, production, sales and support of this product is ISO 9001:2008 certified by LRQA.