

Digifort SDK Package

For Digifort 7.1.0.0

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1 Description



Digifort SDK is composed of multiple API interfaces tailored for specific types of integrations. Read this document carefully to understand the purpose of each interface and API to determine which ones you should use to integrate your software with Digifort.

2 ActiveX

Digifort provides 4 different ActiveX controls that can be used to integrate live view, playback and PTZ control for third party applications.

Important notice:

When integrating with ActiveX controls it is important to take into consideration that the controls are not compatible with multiple Digifort versions. Each Digifort version (6.7, 7.0, 7.1..) has its own set of ActiveX controls, which means that whenever a new Digifort version is released, a new ActiveX control is also released along with a different GUID identification which allows for multiple ActiveX versions to be installed in the same computer. Although the ActiveX interface itself rarely changes, you will be required to update your integration with newer versions of the ActiveX control because of the new GUID. Due to this limitation and also the fact that ActiveX control integration is limited to Windows platform, Digifort recommends that you use the standard HTTP and RTSP interfaces for integration.

ActiveX	Description
XDigiLive.ocx	<p>Simple interface for quick integration with live view and PTZ control.</p> <p>This control already implements the whole user interface using Digifort GUI and already provides UI for PTZ control, Views management and Settings.</p> <p>This control is recommended for simple HTML page integrations.</p>
XDigiLiveCore.ocx	Core control of live view.

	<p>This control provides the core capabilities for live view meaning that it only provides the video panel matrix where objects like cameras and maps can be displayed.</p> <p>When integrating with this ActiveX control you are responsible for building the user interface to control PTZ, views and objects.</p> <p>XDigiLive.ocx is built around XDigiLiveCore.ocx (It uses the core control) and provides the user interface</p>
XDigiPlayback.ocx	<p>Simple interface for quick integration for playback.</p> <p>This control already implements the whole media player interface with timeline, camera selection and all features found in Surveillance Client media player.</p> <p>This control is recommended for simple and quick HTML page integrations although it can also be used for software integration, the user interface cannot be changed</p>
XDigiPlaybackCore.ocx	<p>Core control of playback.</p> <p>This control provides the core capabilities for playback meaning that it only provides the video matrix where cameras are displayed.</p> <p>When integrating with this ActiveX control you are responsible for building the user interface to control the media player.</p>

To learn the interface of the ActiveX controls please read the following documents enclosed into this SDK package:

ActiveX	Document
XDigiLive.ocx	ActiveX for HTML pages.pdf
XDigiLiveCore.ocx	XDigiLiveCore.pdf
XDigiPlayback.ocx	ActiveX for HTML pages.pdf
XDigiPlaybackCore.ocx	XDigiLiveCore.pdf

3 HTTP Interface

Digifort server provides a comprehensive HTTP based interface which allows for accessing data from the server, controlling PTZ cameras, triggering alarms, viewing live images and recorded images.

This interface uses standard HTTP Get / Post calls to retrieve and send data to Digifort server and is the preferred and recommended integration method.

Please refer to Digifort HTTP API documentation to learn how to use this interface.

4 RTSP Interface

Digifort server provides a standard RTSP interface that can be used to retrieve live video from the server using the standard and well disseminated RTSP protocol.

Please refer to Digifort RTSP API documentation to learn how to use this interface.