

# Xtralis AdPro FastTrace

Release Documentation

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A Whole World of Integration



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## 1. Introduction

The following documentation outlines the instructions and prerequisites for the device driver. It contains information instructions as well as technical prerequisites and system requirements.

## 2. Setup

### 2.1 Versions

IPSecurityCenter Version: 4.8 or above

Device Version: N/A

SDK Version (DLL): 12.1.1.13

Packages: CNL.IPSecurityCenter.Driver.AdPro.FastTrace.Version.[BUILD\_VERSION].ipsedriver

Other hardware and firmware versions may be compatible with the device driver, however functionality cannot be guaranteed.

### 2.2 Driver Functionality

The driver implements the following functionality:

- Live Video
- Recorded Video
- Video Export

### 2.3 Prerequisites

There are no software prerequisites or SDK required by either IPSecurityCenter Client or Server.

### 2.4 Operating System Requirements

The functionality of the device has been test on the following operating systems:

- Windows 7 64 bit
- Windows Server 2008R2

## 3. Driver Functionality

### 3.1 Properties

#### **IP**

Text – Specifies the IP of the device.

#### **Port**

Numeric (Whole Numbers) – Specifies the port of the device, the standard port is 8005.

#### **Username**

Text – This property is ignored for this device and this property is hidden in the property grid.

#### **Password**

Text – This property is ignored for this device and this property is hidden in the property grid.

#### **FastTrace Model**

Enum – Specifies the model of the device, possible options are 5005, 5010, 5020. This dictates how many cameras are created (5 cameras for 5005, 10 cameras for 5010, 20 cameras for 5020).

#### **Site Id**

Text – This property specifies the Name of the site and is case sensitive.

## 3.2 Events

This device defines no custom events; the only event available is the Device Online State event.

### Online State Event

The online state event will be fire when the device changes state (e.g. Online, pending, offline etc). Failure can be triggered for one of the following reasons:

- A connection to the FastTrace Server could not be established.

### **3.4 Methods**

The device does not define any custom methods.

## 4. Known Limitations

### Video Export

When the driver performs a video export the type of file exported is a series of JPEG images which are then converted in to a WMV file. This is a limitation of the SDK.

### Video Playback

- When the driver performs video playback, thirty second segments of video will be 'buffered' and then played. This is because the SDK only supports exporting of JPEG images and these images must be retrieved from the SDK before shown.
- When viewing recorded video for multiple cameras at the same time, intermittently buffering fails and then retries. This is because as the SDK only supports exporting of JPEG images, exporting for a large number of cameras at same time will put heavy load on SDK. Best practice is not to view more than 4 cameras in recorded mode at a time.
- If a user tries to display recorded video for a camera where there is no footage available, the **"Buffering"** message will flash on the screen continuously and no footage will be displayed.
- If a user tries to display Live video for a camera that doesn't have a feed connected to it, a black screen with no error message is shown.
- It is not possible to view recorded video and perform video export on the same camera simultaneously. This is because viewing recorded video does the same job as video export i.e. Exporting JPEG images. And the SDK doesn't support it.
- Playback speeds are not supported.
- There is memory leak coming from SDK when opening and closing a tile. Memory also grows when the video is being displayed, but not to a great amount.

### PTZ

PTZ and presets are not implemented within this integration but is supported by SDK.

## 5. Troubleshooting

**Q.** When attempting to display live video, recorded video or video export you receive a error stating "A decoder error occurred".

**A.** This is due to the SDK dll's not being copied to the running applications folder, this should have been copied when the driver was loaded but for some reason was not. To resolve this issue locate the package for the AdPro driver and create a copy of it. Rename the copied file so that the extension is a .Zip file and extract the zip files. Copy the following files in the applications main directory:

- ADPROMediaControl.dll
- ADPROMediaDecoders.dll
- ADPROMediaServerInt.dll
- ADPROSystemInterfaceControl.dll
- BugslayerUtil.dll

### Adpro Test App

**Location:** ho-Adpro\C:\Program Files\ADPRO\ADPRO Multisite Enabler\Test\Compiled

- Open ADPROMediaControlTest
- Connect to the server - Click **Server**
- The site name is **FASTRACE** (note only 1 T due to error by Xtralis engineer when setting up)
- Click **Connect**
- Select camera number and click **start**
- If you do not get an update of all the units I/O's once you have clicked connect is it likely that the hardware is off or not contactable.







