Product Release Note

IndigoVision Control Center 13.1 – 17th December 2015

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Control Center

Control Center 13.1

Bulk Upgrade of IndigoVision ONVIF Cameras

The firmware on IndigoVision ONVIF cameras and encoders can be bulk upgraded through Control Center. Simply select one or more devices and the location of the upgrade files, and Control Center will upgrade each device in turn.

The following IndigoVision devices can be bulk upgraded to newer firmware:

- SMART.core cameras and encoders with firmware 6.4.1 or later
- BX400, BX500 and BX600 with firmware 3.3 or later
- BX410 with firmware 2.0.2 or later
- BX100 with firmware 2.0.5 or later
- GX cameras with firmware 2.0.1 or later

Audio Search of FrontLine Cameras

Users can now search for significant audio in recordings from FrontLine cameras.

Faster Configuration of Fields of Vision on Maps

Maps display fields of vision (FOV) to indicate the areas covered by cameras, PTZ presets and custom objects. Previously a FOV was positioned by entering its angle, direction and range as numbers. Now the FOV can be edited directly from the map by selecting a map link and dragging its FOV sizing handles to adjust the angle, direction and range. This makes positioning FOVs significantly quicker.

Automatic Recording Time Correction

It is recommended that all of the devices in your IndigoVision system are synchronized using the same NTP server. If devices are not synchronized then a number of effects will be observed, including difficulty playing back recordings. In order to prevent this, the NVR will now automatically correct the recording time of cameras that are not within five

seconds of the NVR's time. Control Center will indicate if a recording job's time is being automatically corrected.

AAC Audio from ONVIF Cameras

Control Center and NVR-AS now support AAC audio from ONVIF cameras including IndigoVision's SMART.core range of cameras and encoders. This means users can listen to higher quality live and recorded audio, and have the option to use stereo instead of mono.

This feature requires an NVR-AS running 13.1, and is supported on IndigoVision SMART.core cameras and encoders running firmware 6.4.1.

Default Access Permissions Option

The default access permissions that users have for items in a site database can now be set when creating a new site database. Users can either have access to all items in the database by default, or no access to any items. The latter option is recommended as it ensures users cannot access any objects unless they are explicitly granted permission to them.

Windows 10 Support

Control Center is supported on Windows 10 64-bit.

Bug Fixes

- When deleting a user with body worn video, Control Center now removes the corresponding user from FrontLine Manager (D22107).
- Users can now pan, tilt and zoom PTZ cameras continuously for more than 15 seconds (D22217).
- The Video and Alarms explorers no longer jump after right-clicking an object and editing its properties (D21398).

Incident Player

Incident Player 13.1

Audio Search of FrontLine Cameras

Users can now search for significant audio in recordings from FrontLine cameras.

AAC Audio from ONVIF Cameras

Incident Player now supports AAC audio from ONVIF cameras including IndigoVision's SMART.core range of cameras and encoders. This means users can listen to higher quality recorded audio, including stereo instead of mono.

Windows 10 Support

Incident Player is supported on Windows 10 64-bit.

Windows NVR-AS

Windows NVR-AS 13.1

Automatic Recording Time Correction

It is recommended that all of the devices in your IndigoVision system are synchronized using the same NTP server. If devices are not synchronized then a number of effects will be observed, including difficulty playing back recordings. In order to prevent this, the NVR will now automatically correct the recording time of cameras that are not within five seconds of the NVR's time. Control Center will indicate if a recording job's time is being automatically corrected.

AAC Audio from ONVIF Cameras

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This feature requires Control Center 13.1, and is supported on IndigoVision SMART.core cameras and encoders running firmware 6.4.1.

Windows 10 Support

The Windows NVR-AS is supported on Windows 10 64-bit.

Bug Fixes

- The NVR will now ensure recordings with audio samples appear with a green bar in the Control Center playback timeline (D21978).
- Device fault detectors for SMART.core devices with firmware 6.0.1 or later no longer cause 'Access Denied' messages in the camera log files (D19694).

NVR-AS 4000

NVR-AS 4000 13.1

Improved Hardware Support

Support has been added for the 1U variant of the IndigoVision Enterprise NVR-AS 4000 Linux Appliance. This variant provides the following features:

- A short and shallow form factor for installation in smaller spaces.
- Hot swappable, 4 Disk RAID 5 array.
- Record and playback MJPEG, JPEG 2000, MPEG-4, and H.264 video and audio streams.
- Full frame rate recording of up to 100 streams with simultaneous playback of up to 25 streams.
- Third party camera support.
- Powerful and distributed alarm management.
- Digital Signatures and Tamper Protection of recordings.

Automatic Recording Time Correction

It is recommended that all of the devices in your IndigoVision system are synchronized using the same NTP server. If devices are not synchronized then a number of effects will be observed, including difficulty playing back recordings. In order to prevent this, the NVR will now automatically correct the recording time of cameras that are not within five seconds of the NVR's time. Control Center will indicate if a recording job's time is being automatically corrected.

AAC Audio from ONVIF Cameras

Control Center and NVR-AS now support AAC audio from ONVIF cameras including IndigoVision's SMART.core range of cameras and encoders. This means users can listen to higher quality live and recorded audio, and have the option to use stereo instead of mono.

This feature requires Control Center 13.1, and is supported on IndigoVision SMART.core cameras and encoders running firmware 6.4.1.

Bug Fixes

- The NVR will now ensure recordings with audio samples appear with a green bar in the Control Center playback timeline (D21978).
- Device fault detectors for SMART.core devices with firmware 6.0.1 or later no longer cause 'Access Denied' messages in the camera log files (D19694).
- The HDMI and VGA display ports now respond when a monitor is plugged in after the NVR has been powered on (D22129).

NVR-AS 3000

NVR-AS 3000 13.1

Automatic Recording Time Correction

It is recommended that all of the devices in your IndigoVision system are synchronized using the same NTP server. If devices are not synchronized then a number of effects will be observed, including difficulty playing back recordings. In order to prevent this, the NVR will now automatically correct the recording time of cameras that are not within five seconds of the NVR's time. Control Center will indicate if a recording job's time is being automatically corrected.

AAC Audio from ONVIF Cameras

Control Center and NVR-AS now support AAC audio from ONVIF cameras including IndigoVision's SMART.core range of cameras and encoders. This means users can listen to higher quality live and recorded audio, and have the option to use stereo instead of mono.

This feature requires Control Center 13.1, and is supported on IndigoVision SMART.core cameras and encoders running firmware 6.4.1.

Bug Fixes

- The NVR will now ensure recordings with audio samples appear with a green bar in the Control Center playback timeline (D21978).
- Device fault detectors for SMART.core devices with firmware 6.0.1 or later no longer cause 'Access Denied' messages in the camera log files (D19694).

Video Stream Manager

Video Stream Manager 2.0

RTSP Camera Support

The VSM provides a highly scalable and reliable method of integrating large numbers of RTSP video sources with the Control Center suite. This is suited for the integration of large numbers of legacy IP cameras but can be used with any standard RTSP video source.

Note that all ONVIF conformant cameras support RTSP, so the VSM can be used to relay a single camera video stream to the rest of the Control Center suite. This allows the camera to participate in IndigoVision’s unique Distributed Network Architecture even if the camera itself is only capable of providing a single stream.

Video sources using the H.264, MPEG-4 and MJPEG video codecs are supported and may be connected to over Best Effort (RTP/UDP), Reliable (RTP/RTSP/TCP) or Multicast (RTP/UDP Multicast) connections. Video streams can be relayed by the VSM to the rest of the Control Center suite using Best Effort (RTP/UDP), Reliable (RTP/RTSP/TCP), Multicast (RTP/UDP Multicast) or Firewall Friendly (RTP/RTSP/HTTP/TCP) connections.

IP Address Configuration

The configuration directory path and IP address to use can be configured using the VSM

Service Configuration Tool. Cameras added to the VSM are visible on this address.

Camera Proxy

Camera Proxy 1.0.3

Bug Fixes

- PTZ camera control will now work reliably even over WAN connections and under heavy load (D16918, D16888, D16901).
- Streaming video using the TCP connection type will now operate reliably over WAN connections and under heavy load (D16887).

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