

Aimetis Symphony

Device Pack

Release Notes

Disclaimers and Legal Information

Copyright© 2016-2017 Aimetis Inc. All rights reserved.

This material is for informational purposes only. AIMETIS MAKES NO WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AS TO THE INFORMATION IN THIS DOCUMENT.

Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Aimetis Corp.

Aimetis may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from Aimetis, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

Aimetis® and Aimetis Symphony® are either registered trademarks or trademarks of Aimetis Corp. in the United States and/or other countries.

Document History

Date	Release	
September 2017	1.0.44.0	
May 2017	1.0.43.1	<i>Private release</i>
April 2017	1.0.43.0	
October 2016	1.0.42.0	
August 2016	1.0.41.0	
July 2016	1.0.40.0	
July 2016	1.0.39.1	
May 2016	1.0.39.0	
March 2016	1.0.38.0	
March 2016	1.0.37.2	
March 2016	1.0.37.1	<i>Private release</i>
February 2016	1.0.37.0	
January 2016	1.0.36.1	
November 2015	1.0.35.0	
October 2015	1.0.34.0	
September 2015	1.0.33.1 , 1.0.33.2, 1.0.33.3, and 1.0.33.4	<i>Private release</i>
September 2015	1.0.33.0	
August 2015	1.0.32.0	
July 2015	1.0.31.0	
June 2015	1.0.29.2	<i>Private release</i>

Date	Release	
June 2015	1.0.29.1	<i>Republished</i>
March 2015	1.0.27.1	
February 2015	1.0.26.1	
January 2015	1.0.26.0	
January 2015	1.0.25.1	<i>Private release</i>
December 2014	1.0.25.0	
December 2014	1.0.24.0	
October 2014	1.0.23.0	
October 2014	1.0.22.1	
September 2014	1.0.22.0	
September 2014	1.0.21.3	
September 2014	1.0.21.2	
August 2014	1.0.21.1	
August 2014	1.0.21.0	
July 2014	1.0.20.0	
June 2014	1.0.19.0	<i>Republished</i>
June 2014	1.0.19.0	
May 2014	1.0.18.0	<i>Republished</i>
May 2014	1.0.18.0	
April 2014	1.0.17.0	
April 2014	1.0.16.2	
April 2014	1.0.16.1	

Date	Release	
March 2014	1.0.16.0	
February 2014	1.0.15.0	
January 2014	1.0.14.0	
December 2013	1.0.13.2	
November 2013	1.0.13.0	
November 2013	1.0.12.0	
October 2013	1.0.11.0	
September 2013	1.0.10.0	
September 2013	1.0.9.0	
August 2013	1.0.8.2	
August 2013	1.0.8.1	
July 2013	1.0.8.0	
July 2013	1.0.7.0	
June 2013	1.0.6.1	
June 2013	1.0.6.0	
June 2013	1.0.6.0	
April 2013	1.0.5.0	
April 2013	1.0.3.1 and 1.0.4.1	
April 2013	1.0.4.0	

Release 1.0.44.0

New Features

Issue ID	Description
PACK-3418	Vivotek: The fisheye SDK was updated from 3.1.0.0 to 3.2.0.0.

Improvements

Issue ID	Description
PACK-3383	FLIR: PTZ cameras support automatic tracking using the IR stream without zooming the DLTV stream.
PACK-3501	Arecont: Symphony supports AV 12276DN cameras.

Fixes

Issue ID	Description
PACK-3117	Sony: The I/O contacts for VB-630 cameras work as expected.
PACK-3290	Arecont: Motion detection is enabled for fixed cameras.
PACK-3419	Hikvision: Cameras work as expected when Symphony connects over the WAN with NAT.
PACK-3420	ONVIF devices work as expected when Symphony connects over the WAN.
PACK-3421	The RTSP port for ONVIF connections is configurable.
PACK-3452	Vivotek: Symphony supports generic de-warping for FE8391-V fisheye cameras.
PACK-3490	Audio works as expected for Axis M3037 cameras.

Release 1.0.43.1

This release includes new features, improvements, and fixes from previous private releases.

Fixes

Issue ID	Description
PACK-3282	ONVIF PTZ cameras return to home position automatically after reconnecting to Symphony.

Release 1.0.43.0

Improvements

Issue ID	Description
PACK-2859	Pelco: The FPS Detection XML supports decimals.

Fixes

Issue ID	Description
PACK-3224	ONVIF EventFilter XML parsing works as expected.
PACK-3229	ONVIF PTZ cameras return to the home position after reconnecting.
PACK-2915	Vivotek: PTZ cameras support 2-way audio.

Release 1.0.42.0

Improvements

Issue ID	Description
PACK-2599	Arecont: Support added for binning.

Fixes

Issue ID	Description
PACK-2943	Arecont: Multi-lens cameras are not detected as single-lens cameras.
PACK-2913	Axis: Worked around an Axis firmware problem where use of a certain audio codec would prevent connection to streams.
PACK-2911	Duplicate PTZ presets do not cause configuration to be overwritten.
PACK-2862	Panasonic: Audio is working on WV-NW502.

Release 1.0.41.0

Fixes

Issue ID	Description
PACK-2834	Axis: Resolved issues with tracker and video when the DIO input count in the detection XML exceeds what the camera supports. Video works with passwords that are 31 characters or less in length.
PACK-2827	FLIR: Cameras do not need to use RTP (TCP) for I/O to work.
PACK-2858	Samsung/ONVIF: I/O is working consistently.

Release 1.0.40.0

Private release.

Improvements

Issue ID	Description
PACK-2769	Samsung SNP-6320RH camera has been pre-calibrated.

Fixes

Issue ID	Description
PACK-2717	Bosch Flexidome IP5000: Eliminated duplicate resolutions in selection list.
PACK-2779	Camera Tamper Alarm Triggers each time it occurs instead of just once.
PACK-2810	Dual streams no longer causing dropped frames.
PACK-2774	Panasonic WV-SFN480 image no longer corrupt.
PACK-2768	Samsung SNP-6320RH now has the correct Field Of View range (64 degrees).

Release 1.0.39.1

Improvements

Issue ID	Description
PACK-2725	Axis: Added pre-calibration for Q6115.

Fixes

Issue ID	Description
PACK-2683	Axis: PTZ auto-tracking working correctly for Q6045.
PACK-2724	Axis: Zoom factor correct for MaxZoom of 30 on Q6115.
PACK-2723	Canon through ONVIF: Output state correctly updated in Device Tree.
PACK-2695	Mobile Cameras: Successfully add mobile cameras.

Release 1.0.39.0

New Features

Issue ID	Description
PACK-2680	Flexidome: Calibration support for de-warping on Panoramic 5000 MP fisheye.

Improvements

Issue ID	Description
PACK-2598	ACTi: PTZ control for i94 model.
PACK-2686	ACTi: Updated SDK to newest version.
PACK-2689	Axis: Improved pre-calibration for Q6045 and added for MK II model.
PACK-2611	Canon through ONVIF: Improved motion detection and IO input state change.
PACK-2677	Choppy video: Improved video at HD resolution with high FPS on Bosch and Sony cameras.

Fixes

Issue ID	Description
PACK-2682	Arecont: Connection stream issues resolved fixing artifacts problem.

Issue ID	Description
PACK-2684	Axis: Correct detection for Q6045 MK II model ensuring correct zoom in manual and PTZ control.
PACK-2679	Axis: P3364 working correctly with video streaming and enabled audio input.
PACK-2574	Axis: Fixed cameras correctly auto-detected as fixed.
PACK-2561	Axis: Tours working successfully when PTZ cameras added manually to Symphony.
PACK-2616	Bosch: Resolutions on Flexidome IP Startlight 7000 VR correctly matched in Symphony.
PACK-2657	Bosch: Default calculated bitrate suitable at higher FPS.
PACK-2594	EtroVision: EV8150A working correctly.
PACK-2678	Mobotix: Support for video streaming on M12 dual lens camera.
PACK-2691	Siqura: Warning messages displayed regarding unsupported settings when user manually adds device.

Release 1.0.38.0

New Features

Issue ID	Description
PACK-2513	Mobotix: Dual lens cameras - Video working with MJPG and MXPEG. Rule/alarm correctly triggered.
PACK-2606	Mobotix: Support for MX-Q250 360 camera.

Release 1.0.37.2

New Features

Issue ID	Description
PACK-2608	Vivotek: Support for dewarping on FE8181 camera.

Release 1.0.37.1

Private release.

Fixes

Issue ID	Description
PACK-2593	Geovision: Support for digital I/O events to trigger rules and display state change on device.

Release 1.0.37.0

New Features

Issue ID	Description
PACK-2566	ABUS: Support for ABUS cameras.

Fixes

Issue ID	Description
PACK-2518	Axis: M3037 audio out working correctly.
PACK-2520	Axis: M3037 successfully connects using ONVIF.
PACK-2540	Axis: PTZ tours working correctly for Q6032-E and Q6042-E cameras.
PACK-2539	Eneo PXD-5360: De-warping settings in panorama and double panorama mode working correctly.
PACK-2560	IPX: DDK 1500D correctly detected in Symphony and video successfully displayed.
PACK-2569	Pelco: PTZ controls working correctly.
PACK-2066	Samsung: Support for SNB-9000.
PACK-2573	Siqura: PTZ position correctly showing exact value of position in camera tour.
PACK-2537	Sony: Pan/Tilt working correctly on Sony XNT-EX104 encoder with Pelco Spectra analog camera.
PACK-2570	Sony: PTZ Type list correctly disabled when video encoder added.
PACK-2559	XTS: Cameras working correctly in conjunction with enabled/disabled settings for motion detection in Symphony.
PACK-2564	XTS: NVS camera PTZ control working correctly with ONVIF.

Release 1.0.36.2

Private release.

Fixes

Issue ID	Description
PACK-2541	ONVIF: XTS camera streaming issue resolved.

Release 1.0.36.1

Improvements

Issue ID	Description
PACK-2296	Axis: Support for fisheye M3037.
PACK-2443	Mobotix: Support MxActivitySensor.

Fixes

Issue ID	Description
PACK-2367	Abus: Keep alive command now sent when polling for events.
PACK-2512	Axis: Q8665-LE correctly recognized as PTZ camera.
PACK-2469	Axis: C3003-e audio horn working correctly and consistently in Symphony.
PACK-2503	Dynacolor: All PTZ functions for Siquira working correctly.
PACK-2515	Hikvision: IO input state successfully displayed in Symphony.
PACK-2450	Manufacturer name of cameras: When device added manually, manufacturer name correctly detected.
PACK-2510	Mobotix: Auto-detection successful in Web Client for all supported languages.
PACK-2299	Panasonic: Live/recorded audio clear with G726 codec.
PACK-2298	Samsung: Support for new devices (e.g. SNB-9000)

Release 1.0.36.0

Private release.

Fixes

Issue ID	Description
PACK-2504	Axis: Audio working correctly for Q1602.
PACK-2503	Dynacolor: All PTZ functions for Siquira working correctly.
PACK-2450	Manufacturer name of cameras: When device added manually, manufacturer name correctly detected.
PACK-2510	Mobotix: Auto-detection successful in Web Client for all supported languages.
PACK-2299	Panasonic: Live/recorded audio clear with G726 codec.

Release 1.0.35.0

New Features

Issue ID	Description
PACK-2415	Siquira: Support for Siquira BC820H1 cameras.

Improvements

Issue ID	Description
PACK-2536	Arecont: Support for flexible cropping when image down-scaling enabled.
PACK-2433	Mobotix: Dewarp feature working correctly on Q24 model.
PACK-2442	Security: Improved security of camera credentials when connecting to a camera. See http://www.aimetis.com/Support/kbarticle.aspx?ID=10391

Fixes

Issue ID	Description
PACK-2414	Acti: Support for I901 camera model.

Release 1.0.34.0

Improvements

Issue ID	Description
PACK-1442	Arecont: Support for down-scaling.
PACK-2373	Motion Detection: Support for motion detection on camera when record mode is set to Motion Detection by Camera .

Fixes

Issue ID	Description
PACK-2345	Bosch: MIC IP Startlight 7000 correctly detected as PTZ.
PACK-2409	Samsung: Cameras working correctly when upgraded using DevicePack 1.0.34.0.

Release 1.0.33.4

Private release.

New Features

Issue ID	Description
PACK-2293	iPhone: Support for video streaming from iPhone.

Fixes

Issue ID	Description
PACK-2382	Axis: Memory leak resolved in special case with second stream
PACK-2409	Samsung: Cameras working correctly when upgraded using DevicePack 1.0.34.0.

Release 1.0.33.2

Private release.

Improvements

Issue ID	Description
PACK-2384	Arecont: AV2245 shows correct resolution of 1920x1088.

Release 1.0.33.1

Private release.

Fixes

Issue ID	Description
PACK-2379	Arecont: Firmware issue with AV1145 and AV1455 resolved.

Release 1.0.33.0

Improvements

Issue ID	Description
PACK-1508	Arecont: Support for AV12176 SurroundVideo 360 camera.
PACK-2158	Arecont: Support for Vision cameras MegaBall and MicroDome.

Fixes

Issue ID	Description
PACK-2330	Axis: On-camera motion detection with Symphony working successfully.
PACK-2335	Eneo: PTB-Thermal correctly shows list of resolutions and FPS.
PACK-2332	Samsung: Camera added via ONVIF working successfully.

Release 1.0.32.0

New Features

Issue ID	Description
PACK-2270	ABUS cameras: Now supported.

Improvements

Issue ID	Description
PACK-2057	BOSCH: Support for CPP6 platform.
PACK-2291	RTSP: Support for Audio over RTSP.
PACK-2273	

Fixes

Issue ID	Description
PACK-2267	Hikvision: Inverted PTZ tilt now corrected.

Release 1.0.31.0

New Features

Issue ID	Description
PACK-2162	GeoVision: Support for LPC1100

Improvements

Issue ID	Description
PACK-2235	GeoVision: Motion detection and IO working successfully when GV-LPR1100 added through ONVIF
PACK-2237	GeoVision: Polling set to disabled by default
PACK-2034	Pelco: Support Closed Authentication

Fixes

Issue ID	Description
PACK-2220	Axis: Camera import working correctly
PACK-2230	Axis: Digital IO restore state working correctly for Q1615
PACK-2194	Axis: Edge storage working correctly with audio enabled
PACK-2228	Axis: Motion Detection works on all encoder channels (not just the last one)
PACK-2246	Axis: Multicast streaming works with 5.50 firmware or later
PACK-2133	Axis: PTZ calibration working successfully when camera image rotates to 180 degrees
PACK-2155	BOSCH: Audio output works consistently
PACK-2165, PACK-2166, PACK-2168, PACK-2070, PACK-2074	Eneo: NXD-2012PTZ1080 camera: Miscellaneous fixes for issues related to Auto-detection, Box-mode PTZ, pushing resolution changes to camera, Pan/Tilt direction when video flipped 180.
PACK-2219	Hikvision: DS-6516HFI encoder working successfully
PACK-2081	Panasonic: Symphony correctly detecting WV-SW438
PACK-2250	Pelco: D5118 PTZ controls work properly when video rotated 180 degrees
PACK-2131	RTSP Streaming: Improved streaming for high definition and high bitrate streams
PACK-2240	Samsung: Recalibrated SNF-8010 fisheye
PACK-2137	Samsung: Video streams working as expected on SNV-8080
PACK-2134	Watermark is correctly displayed
PACK-2190	XTS: IO events working successfully through ONVIF for Speed-dome SDH20XDN2MP-WPE

Release 1.0.29.2

(Private release)

Fixes

Issue ID	Description
PACK-2088	Bosch Audio Out now works reliably

Release 1.0.29.1

New Features

Issue ID	Description
PACK-1792	Axis A8004-VE Network Video Door Station now supported
PACK-2024	Eneo N-Series cameras now supported

Improvements

Issue ID	Description
PACK-1867	Johnson Controls: Audio Out now supported in JCVS-E30BA and E30BB encoders
PACK-2029	Johnson Controls: JCVS-IPC8210-C0 generic fisheye capabilities added to encoder channels
PACK-1995	Johnson Controls: JCVS-IPC8210-C0 is now detected as an encoder and uses streams dewarped by the camera
PACK-1757	ONVIF: Added support for multicast enabled cameras

Fixes

Issue ID	Description
PACK-1660	Arecont AV20365: Picture distortion and video scramble issues resolved
PACK-2017	Avigilon ENC-4P-H264: Support for all four channels added
PACK-2056	Axis: A8004 correctly detected as a fixed camera
PACK-2039	Bosch: Autodome IP 7000 camera successfully moves to preset positions on camera tour
PACK-2052	Bosch: Live and historical video successfully viewed on all channels in Bosch VIP cameras
PACK-2042	Camera password length must be no more than 31 characters. See Knowledge Base Article 10354 .
PACK-2026	Edge storage now working correctly
PACK-2074	Eneo NXD-2012PTZ1080 auto-detection is now correct
PACK-1975	Gallagher: vEL7.20.1310 cardholder event issues resolved
PACK-1795	Historical video display and audio issues fixed
PACK-1972	Johnson Controls: Added multicast to JCVS-E30BA-CA
PACK-1858	Johnson Controls: Cameras that support triplestream can now connect to the third stream
PACK-1935	ONVIF: Brightness and Contrast commands no longer cause video loss on Ulisse cameras
PACK-1973	ONVIF: Event subscription renewal and event filter now working correctly
PACK-2100	Sony SNC-WR600 now shows correct list of supported resolutions
PACK-2095	Sony SNC-WR600 tracker now working reliably
PACK-2045	Symphony now correctly detecting Autodome 100 as a fixed camera and Autodome IP 7000 HD as a PTZ camera

Release 1.0.27.1

New Features

Issue ID	Description
PACK-42	Arecont: Support for Arecont auto-discovery
PACK-1794	Johnson Controls camera integrations: JCVS-E30BA-C0 JCVS-E30BB-C0 JCVS-IPC4000-CW JCVS-IPC4100-S0-S JCVS-IPC4100-SW-S JCVS-IPC4A10-CW JCVS-IPC5000-C0 JCVS-IPC5000-CW JCVS-IPC5111-C0 JCVS-IPC5113-CW JCVS-IPC5310-C0 JCVS-IPC8210-C0
PACK-1832	OPC: Support for sending metadata over OPC.

Fixes

Issue ID	Description
PACK-1829	Axis: M7016 firmware update resolved VMD not triggering in Symphony with H264.
PACK-1835	Axis: Video stream connection successful on M7016 and P3365-VE cameras.
PACK-1870	Axis: Corrected parsing of time zone when retrieving on-camera storage.
PACK-1677	Bosch: Support for 50/60 FPS.
PACK-1977	Gallagher: vEL7.20.1310 cardholder events displayed correctly in video, alarms, and timeline.
PACK-1874	Hikvision: DS-6516HFI successfully auto-detected and live video stream available.
PACK-1796	Johnson Controls: Correct segment downloaded from edge storage when time zone and time of camera differs with that of the Symphony server.
PACK-1917	ONVIF: Ulisse camera added as ONVIF VMS connection to camera maintained when user clicks on IRIS button.
PACK-1978	ONVIF: Video stream correct on Ulisse camera when adjusting brightness, contrast, or IRIS.
PACK-1857	PelcoNet: Auto-detection for NET4001A encoder successful.

PACK-1916 Vivotek: Support for digital I/O.

Release 1.0.26.1

Fixes

Issue ID	Description
PACK-1894	Hikvision: Auto-detect and video now work on DS-651HFI models.
PACK-1893	PelcoNet: Auto-detect now works on the NET4001A encoder.
PACK-1895	Tracker now starts up and connects reliably to the video stream.

Release 1.0.26.0

Improvements

Issue ID	Description
PACK-1696	Axis: Support Q6000-E camera.

Fixes

Issue ID	Description
PACK-1793	Axis: Can now connect reliably to M300x cameras.
PACK-1439	Axis: HTTPS with signed certificates. See KB Article 10335: HTTPS Fails with Signed Certificates .
PACK-1719	Axis: Video download from edge storage (SD card) to Symphony working correctly.
PACK-974	JCVS-IPC4313-CW: Symphony resolution configuration correctly set on camera.
PACK-970	JCVS-IPC4320-CW: Symphony FPS configuration correctly set on camera.
PACK-1755	Panasonic: Now shows correct panoramic view on WV-SFV481.
PACK-1716	Sony: Updated PTZ control for DH180 when connected through ONVIF through Symphony.

Release 1.0.25.1

Fixes

Issue ID	Description
PACK-1736	Axis: Video download from edge storage (SD card) to Symphony working correctly.

Release 1.0.25.0

New

Issue ID	Description
PACK-1300	Bosch: Support for two-way audio.

Improvements

Issue ID	Description
PACK-1644	Vivotek: Support for video de-warping on FE8181.

Fixes

Issue ID	Description
PACK-1573	Avigilon: PTZ zoom controls for 3.0W-H3-D1 working correctly.
PACK-1678	Bosch: Encoders working correctly again (fixes regression introduced in 1.0.24.0).
PACK-1676	Mobotix: Video output working correctly after IR lens switch on Mobotix D12.
PACK-1641	Sony: Audio out working correctly.

Release 1.0.24.0

Improvements

Issue ID	Description
PACK-1648	Axis: Support for Axis M3027 camera.

Fixes

Issue ID	Description
PACK-1505	Bosch: Reduced CPU usage.
PACK-1576	Bosch: VideoJet X-40 detected correctly as an encoder.
PACK-1552	Mobotix: Reconnection after power loss no longer causing video distortion in Symphony.
PACK-1512	On-camera storage now works if camera is in a different time zone than the server.
PACK-1504	Samsung: SNF-8010 correctly displays stream for dewarped fisheye views and pushes settings.
PACK-1382	Vivotek: SD8362E PTZ camera working correctly under user control.

Release 1.0.23.0

Includes previously released 1.0.22.1 patch updates as of October 2014.

Known Issue: Bosch Direct Connection will not work with this device pack when using a release of Symphony earlier than 6.13.2.0.

New Features

Issue ID	Description
PACK-1299	Bosch: Edge storage support added.
PACK-1384	Messoa: Support for Messoa NDR722.

Improvements

Issue ID	Description
PACK-1480	Camera tour location name displayed.

Fixes

Issue ID	Description
PACK-1515	Axis: Configuration correctly displays only fps range 1...30 for Axis Q1604.

Release 1.0.22.1

Not generally released.

Fixes

Issue ID	Description
PACK-1495	PTZ cameras can now display the camera tour location name as a decoration when configured in Symphony.

Release 1.0.22.0

Includes previously released 1.0.21.x patch updates as of August and September 2014.

Improvements

Issue ID	Description
PACK-1449	Edge storage video retrieval performance improvement implemented.
PACK-1305	Vivotek: PTZ auto tracking working correctly.

Fixes

Issue ID	Description
PACK-1417	Audio working correctly when camera reconnects.
PACK-1293	Axis: After configuring the Q1614 capture mode for 60 fps, camera redetection shows 60 fps available via Device Configuration.
PACK-1445	Eneo: PTZ camera control via joystick working for cameras using the DynacolorPTZ protocol.
PACK-1443	For supported camera manufacturers, streaming video over UDP works correctly by adding the device as RTSP URL: <ol style="list-style-type: none">1. Select Server > Manual Configuration Editor.2. Change dev_options=connection to connection=rtp.3. Click Ok.4. Restart Symphony services.
PACK-1397	JCI: DVN5000 motion detection alarms working correctly.
PACK-1444	ONVIF: Live video continues to work correctly after setting the ChangeCameraSetting setting to false via the Manual Configuration Editor.
PACK-1309	Samsung: SNP-6320H detection working correctly.
PACK-1441	Streaming video from edge storage working correctly.

Release 1.0.21.3

Not generally released.

Fixes

Issue ID	Description
PACK-1423	<p>IPX/DDX cameras working correctly.</p> <p>Option added to disable event polling thread via Symphony's Manual Configuration Editor.</p> <ol style="list-style-type: none"> 1. Select Server > Manual Configuration Editor. 2. Find the Camera ID. 3. In the Key column, find dev_options. 4. Add the "DisablePolling=1" value to dev_options. Example: dev_options=changecamerasettings=True;connection=;format=H264;DisablePolling=1 5. Click OK. 6. Restart the AI Tracker Windows service.

Release 1.0.21.2

Fixes

Issue ID	Description
PACK-1396	Live video PTZ control for ONVIF devices working correctly.
PACK-1413	Vivotek: PTZ control working correctly (SD8362).

Release 1.0.21.1

Not generally released.

Fixes

Issue ID	Description
PACK-1307	Vivotek: ONVIF integration and PTZ control working correctly.

Release 1.0.21.0

New Features

Issue ID	Description
PACK-49	Samsung: Direct connect support added for multicast-enabled cameras.

Improvements

Issue ID	Description
PACK-1228	Axis: Corridor Mode gravity sensor support (Q1614).
PACK-1291	Samsung: Auto detection support working correctly for high FPS rate (SNB-7004 series, SNP-6320/H, and SNV-6013/SNB-6010).
PACK-1000	Sony: Calibration support (SNC-HM662). Note: You may need to manually specify camera's maximum resolution.

Fixes

Issue ID	Description
PACK-1292	Catmax: Auto detection and manual device additions working correctly for NVE Series video encoders. Note: Auto detection is not supported on UDP device models.
PACK-1311	Font settings configured in the Client (Server > Configuration > General Settings) applied correctly to video streams.
PACK-1271	Sony PTZ: Response time improvements for camera queries implemented.
PACK-601 PACK-999	Sony: Video codec list corrections for generation 6 cameras (SNC-XM632).

Release 1.0.20.0

New Features

Issue ID	Description
PACK-53	ACTi: Multi-streaming support added.
PACK-1248	JVC: Support for JVC VN-C655U video and PTZ.

Improvements

Issue ID	Description
PACK-299	ACTi: Multi-streaming support added.
PACK-1248	JVC: Support for JVC VN-C655U video and PTZ.

Fixes

Issue ID	Description
PACK-1260	ACTi: FPS correctly matches FPS settings in Symphony and on camera webpage.
PACK-946	ACTi: PTZ auto detection working correctly.
PACK-492	ACTi: Push settings working correctly (E13).
PACK-135	Axis: Cameras that support 60 fps are no longer limited to 30 fps.
PACK-1172	Axis: When supported cameras are configured for Corridor Mode, changing the frame rate for the camera correctly adjusts on reconnect.
PACK-1191	Font issue: Video displayed with correct font in client.
PACK-174	Pelco: Multi-stream video working correctly.
PACK-1254	Samsung: Audio working correctly.
PACK-1270	Samsung: Calibration successful on PTZ cameras.
PACK-1256	Samsung: PTZ mouse control via right-click arrows working correctly (SNP3371TH, SNP6200, and SNP6200RH).
PACK-151	Samsung: Support for SNC-C7478 camera.
PACK-1227	Sony: Auto detection working correctly and camera stability improvements implemented (SNC-DF40).
PACK-1253	Vivotek: Edge storage working correctly in dual stream mode.

Release 1.0.19.0

Includes previously privately released 1.0.18.1 patch updates as of May 2014.

New Features

Issue ID	Description
PACK-992	Axis: Support Pan Tilt Motor (YP3040).

Fixes

Issue ID	Description
PACK-694	Cameras or encoders added manually contain correct PTZ data.
PACK-1077	Panasonic: PTZ improvements implemented for cameras added as ONVIF.
PACK-1076	Panasonic: VMD recording begins when motion is detected and stops recording correctly as configured (SW396).
PACK-1251	Samsung: Native integration audio out working correctly.
PACK-1120	Samsung: Relative PTZ control working correctly for encoder (SPE-1600).
PACK-1032	Samsung: Single audio thread created for audio out.
PACK-1129	Samsung: Video stream encoder profiles are created correctly (SPE-400).
PACK-695	Sony: Automatic PTZ detection working correctly (SNC-WR630).
PACK-1191	Video decoration font appearance improvements.

Release 1.0.18.1

Not generally released.

Fixes

Issue ID	Description
PACK-1223	Vivotek: Tracker no longer sending unnecessary edge storage requests to dual stream cameras.

Release 1.0.18.0

New Features

Issue ID	Description
PACK-1133	Auxiliary command support added for PTZ cameras and video encoders.
PACK-1119	Support added for Dynamic and Static Privacy Masks. See the <i>Aimetis Symphony 6.13 Release Notes</i> for feature details.
PACK-54	Support for IPX DDK-1700D.

Improvements

Issue ID	Description
PACK-1071	Arecont: Now using HTTP API and streaming over RTSP.
PACK-1131	Auto-calibration recognizes camera pan-tilt limits and confines motions to valid ranges.
PACK-1123	FLIR: Pre-calibration and toggle IR polarity support added for PTZ IR thermal cameras.

Fixes

Issue ID	Description
PACK-966	Arecont: VMD working correctly (AV12186DN).
PACK-1127	Bosch: Panoramic mask generation working correctly through ONVIF.
PACK-1097	Correct FPS rates shown in IPX/DDK camera.
PACK-865	MOOG EXO GeminEye: ONVIF Profile S support implemented.
PACK-341	Samsung: SNP PTZ improvements implemented.

Release 1.0.17.0

Includes previously privately released 1.0.16.x patch updates.

New Features

Issue ID	Description
PACK-639	Panasonic: Support Edge Recording for 6 Series cameras (SFV631L/611L, SFR631L/611L, SFN631L/611L).
PACK-856	Panasonic: Support 6 Series cameras (SFV631L/611L, SFR631L/611L, SFN631L/611L).

Improvements

Issue ID	Description
PACK-1018	Axis: PTZ cameras Q6042, Q6044 and Q6045 cameras pre-calibrated.
PACK-931	Panasonic: Auto-calibration and manual PTZ commands working correctly and improved auto-tracking performance for WV-SW598 series cameras. Note: Panoramic mask functionality may be inconsistent.
PACK-1026	Samsung: PTZ camera SNP-6200 pre-calibrated.
PACK-1020	Samsung: PTZ camera SNP-6201 pre-calibrated.
PACK-930	Vivotek: Auto-calibration, auto-tracking, and manual PTZ commands working correctly for SD8363E cameras running Vivotek firmware upgrade 201f or later (released March 2014).
PACK-1028	Vivotek: PTZ camera SD8363 pre-calibrated.
PACK-1078	Vivotek: VS2403/VS8801 Multi-channel encoder displaying video correctly.

Fixes

Issue ID	Description
PACK-1003	Axis: Corridor Mode edge storage video working correctly.
PACK-1003	Axis: Corridor Mode edge storage video working correctly.
PACK-925	Axis: Q1755, Q1755-E, and Q1765-LE automatically detecting as PTZ cameras correctly.
PACK-1031	Edge Storage speed improvements implemented.
PACK-1079	
PACK-1019	FLIR: Support for IR camera PT-324.
PACK-1010	Grundig/Dynacolor: Auto-tracking performance improvements for PTZ cameras.
PACK-996	Johnson Controls: JCVS-IPC3112-CW multi-channel VMD working correctly.
PACK-962	Panasonic: WV-SW458/SF438 camera ONVIF profile issues resolved.

Release 1.0.16.2

Not generally released.

Fixes

Issue ID	Description
PACK-1067	IPX: DDK camera video stream disconnection issues resolved.
PACK-1068	IPX: DDK camera ONVIF profile connection issues resolved.

Release 1.0.16.1

Not generally released.

Improvements

Issue ID	Description
PACK-1049	Axis: P7214 multi-channel video encoder edge storage integration via SD card added.

Release 1.0.16.0

New Features

Issue ID	Description
PACK-296	Arecont Vision: Support for AV12186DN.
PACK-854	Panasonic: Support for Video Encoder (GXE500/100).
PACK-855	Panasonic: Support for 360 Degree Camera (SW458/SF438).

Improvements

Issue ID	Description
PACK-873	Johnson Controls: Support for edge storage (JCVS-IPC3113 and similar cameras).
PACK-879	Panasonic: Support for Digital I/O on Maps.
PACK-908	Panasonic: PTZ cameras (WV-SW396 and WV-SW598) pre-calibrated.

Fixes

Issue ID	Description
PACK-935	Axis: Option to disable IR on Axis cameras.
PACK-937	Axis: P8221 audio synchronization working correctly.
PACK-953	Discover Devices feature working correctly.
PACK-967	Panasonic: Cameras/encoders default correctly to H264.
PACK-454	Panasonic: Digital I/O working correctly on WV-SF346.
PACK-950	Panasonic: motion detection on camera working correctly.
PACK-455	Panasonic: VW-SF346 can be added to Symphony using ONVIF.
PACK-593	Panasonic: WV-SC588 - local settings can now be enabled for FPS, Resolution, and Video Format.
PACK-941	Pelco: Able to restart Pelco cameras successfully.
PACK-907	PTZ Navigation panel buttons (Iris and Focus) working correctly and not causing reconnect/restart.
PACK-959	Video streaming working correctly for RTSP cameras.

Release 1.0.15.0

New Features

Issue ID	Description
PACK-850	Panasonic: Support for HD models SP509/508, SF549/548, SF539/538, SW559/558, SW598.

Improvements

Issue ID	Description
PACK-871	Axis P8221: Support for 2-way audio.
PACK-888	Johnson Controls: JCVS-IP3113 must use second stream for MJPEG.
PACK-885	Panasonic: Warning message about multi-streaming restrictions (not all combinations of codec/resolutions supported).
PACK-886	Vivotek: support Vivotek fisheye quad view.

Fixes

Issue ID	Description
PACK-848	Axis: Invalid green border appearing in live view panel (in corridor mode after reconnect to camera) removed. Important: If the rotation angle of an Axis camera is changed on the camera's web configuration (that is, from corridor mode to regular mode or vice-versa), you must click Connect to camera in Symphony to update the detection XML or else a green border appears in live view.
PACK-869	Camera stream reconnection processes improved.
PACK-394	Device Pack installs successfully when upgrading from 1.0.7.0 installation.
PACK-849	Johnson Controls: FPS in auto detection increased to 25.
PACK-169	Pelco D5118: MJPEG Video Format available.
PACK-884	Pelco: Support for auto-detection for Pelco IME319-1P, Pelco IL10-BP, Pelco D5118.
PACK-847	PTZ calibration completes correctly without system exception error.
PACK-828	Support for Messoa NIC950 integration.

Release 1.0.14.0

New Features

Issue ID	Description
PACK-395	Eneo: Support for FW3471-PS-E1 4 channel encoder.

Improvements

Issue ID	Description
PACK-458	Bosch Flexidome HD 1080p HDR RD: Support for audio input.

Fixes

Issue ID	Description
PACK-347	Axis P5512: Manual focus and Preset positions correctly auto-focus.
PACK-489	Bosch Autodome 800 HD: Properly showing video shortly after connecting.
PACK-186	Bosch: Preset working as correctly in both Symphony and camera webpage.
PACK-202	Bosch: Support for NBN-832V-P camera.
PACK-787	Device Pack install successfully during Symphony install.
PACK-294	Edge Storage working correctly with future time.
PACK-580	Hikvision DS-6716HWI Video Server/Encoder correctly shows a PTZ analog camera as analog in Symphony and PTZ options available in Configuration tab.
PACK-581	Hikvision: DS-6716HWI Video Server/Encoder push settings working as expected.
PACK-722	JCVS-IPC3112-CW is correctly shows video when using MJPG.
PACK-846	JCVS-IPD11001: Correctly displays advisory message after camera added. See the device documentation for valid multi-stream configurations.
PACK-735	Pelco Spectra HD D5220 correctly auto-detected by Symphony.
PACK-792	PTZ auto tracking working correctly through Moxa encoders.
PACK-813	PTZ Calibration working correctly if pan/tilt speed is zero over a large range of inputs.
PACK-785	PTZ Panoramic image generation working correctly for cameras with MaxTilt > 90.
PACK-783	Symphony Client successfully displays 80 views.
PACK-815	Vivotek IP8352: Successfully record audio.
PACK-767	Vivotek: Camera reconnects in expected time if camera power on/off.
PACK-811	Vivotek: Successfully downloads SD card video from camera.

Release 1.0.13.2

Fixes

Issue ID	Description
PACK-793	Auto-tracking working correctly for PTZ Integration with Moxa Encoder.
PACK-784	Symphony client successfully displays 80 views.
PACK-788	Windows XP/2003: Device Pack installation successful during Symphony installation.

Release 1.0.13.0

New Features

Issue ID	Description
PACK-721	Messoa: Support for NDR891PRO, NDF831PROF, NDF821PRO, NDF820PRO, and NCC800.

Improvements

Issue ID	Description
PACK-628	Johnson Controls: Symphony supports JCVS-IPC3112-CW.
PACK-419	ONVIF: Profile S support for two-way audio.
PACK-681	PTZ calibration details logged to BasicInfo log (ai_logs, Ba-currentdate).
PACK-386	Samsung: SNP-6200 integrated as an absolute PTZ camera.

Fixes

Issue ID	Description
PACK-494	ACTi: audio and video working correctly for E13.
PACK-214	ACTi: audio and video working correctly on KCM7311.
PACK-231	ACTi: audio working correctly on KCM-5111.
PACK-422	ACTi: video working correctly when audio enabled on E34.
PACK-429	ACTi: video working correctly when audio enabled on KCM3911.
PACK-733	Axis: audio working correct with P8221 and when linked with M3007.
PACK-181	ONVIF: video encoder showing correct video specific to channel.
PACK-700	Panasonic: accurate zoom with mouse and joy stick on WV-SW598.
PACK-689	Pelco: live and historical video working correctly on PTZ and fixed cameras.

PACK-739 Symphony upgrading successfully on Windows 7 64-bit systems.

Release 1.0.12.0

New Features

Issue ID	Description
PACK-675	Samsung: Symphony auto-detects SNF-7010 fisheye camera.
PACK-31	Vivotek: Support for on-camera storage.

Improvements

Issue ID	Description
PACK-692	Eneo: Symphony auto-detects PXD-5362F01IR.
PACK-627	Johnson Controls: Support for JCVS-IPC3113-CW integration.
PACK-629	Johnson Controls: Support for JCVS-IPC6323-CW integration.
PACK-680	Oncam Evolution: Generic fisheye calibration.
PACK-416	Panasonic: Improved continuous PTZ control for auto-tracking.

Fixes

Issue ID	Description
PACK-684	Messo: Additional support for NIC910 and NIC930 integration.
PACK-605	Samsung: Symphony correctly detecting SNB-6004 as fixed camera.
PACK-673	Support for ONVIF multiple streams.

Release 1.0.11.0

New Features

Issue ID	Description
PACK-670	Samsung: Support for two-way audio.

Fixes

Issue ID	Description
PACK-632	Live video working correctly from Axis P70 and P72 encoders in h.264.
PACK-431	No reconnection time issue when camera frame rate changed in case of alarm.
PACK-671	Pelco cameras correctly auto detected.

Release 1.0.10.0

New Features

Issue ID	Description
PACK-514	Generic de-warping functionality in Symphony: support for Axis M3007 and Eneo 5MP fisheye PXD-5360F01IR. Symphony 6.12.2 is required for this functionality.
PACK-596	Samsung: Multicast support.

Improvements

Issue ID	Description
PACK-94	ONVIF: Support for Profile S.
PACK-58	Vivotek: Support for auto-detection for AAC G711 audio.

Fixes

Issue ID	Description
PACK-574	Clicking on timeline gives correct image.
PACK-582	Edge storage footage downloading correctly.
PACK-583	Fixed autodetect problem for various D-Link and Vivotek cameras.
PACK-576	Hikvision: Video correct displayed in Symphony with DS-2CD2632F.
PACK-534	Sony: Max resolution correctly detected on SNC-DH140.
PACK-533	View Details Events dialog showing correct username for PTZ lock events.

Release 1.0.9.0

Improvements

Issue ID	Description
PACK-445	Samsung: Support for multi-streaming on SNP-6200RH.

Fixes

Issue ID	Description
PACK-449	Panasonic WV-SF346 working correctly with MJPG codec.
PACK-425	Resolved Axis corridor view issue when upgrading to Symphony 6.12.1.0.
PACK-418	User name correctly displayed in video decoration in Direct Mode.

Release 1.0.8.2

Fixes

Issue ID	Description
PACK-417	Axis: Alarms properly triggered on motion detection with Axis P5512 camera.

Release 1.0.8.1

Fixes

Issue ID	Description
PACK-407	Digital input states correctly updated in camera tree.
PACK-400	Hikvision: Support for auto-detection.

Release 1.0.8.0

Improvements

Issue ID	Description
PACK-372	Axis: Support for proxy settings based on new AMP SDK.

Fixes

Issue ID	Description
PACK-355	Axis: AMP ACCESS_DENIED/Audio issues resolved with new AMP release from Axis.
PACK-351	Axis: P1354 when added manually will use relative PTZ control. When connecting manually in Symphony: <ol style="list-style-type: none"> 1. Input the IP address and select Axis. 2. Input user name and password. 3. Select the PTZ Camera Type option. Do not click the Connect to camera button. 4. Click Ok.
PACK-409	Bosch: Support for AutoDome 100 auto-detection.
PACK-401	Bosch: Video displayed for second stream with same resolution.
PACK-403	FLIR: Mobile bridge selecting correct stream when using multiple streams.
PACK-387	Vivotek: Alarm on I/O working correctly on IP7162 model.

Release 1.0.7.0

New Features

Issue ID	Description
PACK-311	Eneo: Support for multi-streams.
PACK-23	Eneo: Support for optical zoom.
PACK-47	Panasonic: Support for direct camera connection.

Improvements

Issue ID	Description
PACK-66	Eneo: Support for PXD/PLD PTZ models.
PACK-314	Sony (Generation 6): Support for I/O on Maps.

Fixes

Issue ID	Description
PACK-392	Axis audio settings pushed and received properly.
PACK-297	Eneo: Camera resolutions between Symphony and cameras matching correctly.
PACK-380	Eneo: Symphony correctly auto-detects GLC-1602H camera.
PACK-148	Eneo: Symphony correctly detects PXB-2020 model and video displayed with correct resolution.
PACK-376	ONVIF relative PTZ control works smoothly.
PACK-367	Panasonic: Support for 7.5 fps.
PACK-226	Panasonic: Support for VMD in H264 and MJPEG.
PACK-356	Sony: Auto-detection issue resolved for SNC-DS10, SNC-CS20, SNC-VB600.
PACK-217	Sony: SNC-EP580 PTZ camera position control issues resolved.
PACK-375	Vivitek: Point-click-center option working correctly for multi-channel encoder.

Release 1.0.6.2

Not generally released.

Fixes

Issue ID	Description
PACK-373	Vivotek: Point-click-center option working correctly for multi-channel encoder.

Release 1.0.6.1

Fixes

Issue ID	Description
PACK-364	Support for JCVS-IP3352445 UDPTech IPX Series camera.
PACK-344	Vivotek Video encoders: Camera tours and PTZ controls with mouse and control box working for all channels.

Release 1.0.6.0

New Features

Issue ID	Description
PACK-332	Grundig: PTZ cameras calibrated.
PACK-55	JCI: Support for new cameras.
PACK-16	Mobotix: Support for latest SDK.

Improvements

Issue ID	Description
PACK-328	Absolute PTZ cameras: potential distortion issue when generating panoramic images fixed.
PACK-326	Axis PTZ cameras: FOV, aspect ratio and other parameters fixed.
PACK-348	Grundig: Non-linear zoom fixed.
PACK-141	Grundig: Pushing settings removed. Connecting to correct streams added.
PACK-334	Hikvision: DS-6500/DS6516 encoders correctly auto-detected by Symphony.

Issue ID	Description
PACK-329	InfoService CPU % reduced when importing cameras from .csv file containing Pelco cameras.
PACK-252	Mobotix D14D-Sec-Dnight camera: When connected to Symphony, displays correct FPS options.
PACK-193	Mobotix: Support for Mobotix at high frame rate.
PACK-254	Mobotix: Support for Mobotix firmware.
PACK-320	PTZ Calibration no longer fails if PTZ unlock time small.
PACK-319	PTZ control: Priority level on automatic/forced PTZ behavior has been reduced. Users with default priority can unlock/control PTZ cameras in more events. Important: Users with default priority still cannot override PTZ behavior during panoramic mask generation or auto-calibration.
PACK-337	Sony: auto-calibration on Sony 5th generation PTZ cameras working correctly. Important: Sony uses a different coordinate system so that positive tilts speeds move the camera in a negative tilt direction. Correction for coordinate system made, but this will break existing tours for these cameras.
PACK-234	Sony: Correctly detecting VM600 and VM630 cameras.
PACK-324	Support for downloading video and PTZ control from IP cameras connected to JCI DVN5000 encoder.
PACK-335	Vivotek: PTZ FOV and zoom control issues resolved.
PACK-344	Vivotek: VS8801 (8 channel encoder) PTZ presets work for all channels.
PACK-321	XTS: XTS cameras correctly detected as fixed.

Known Issues

Issue ID	Description
PACK-55	<ul style="list-style-type: none"> JCVS-IP1012211 I/O cannot be controlled from Symphony due to an issue with Firmware version 1.9.1. JCVS-IP2352422, JCVS-IP3352445, JCVS-IP141132336, and JCVS-IP1012211 cameras do not support two-way audio due to an issue with Firmware 1.9.1.
AIR-19065	JCVS-IP2352422, JCVS-IP3352445, JCVS-IP141132336, and JCVS-IP1012211 cameras cannot be auto-discovered with Symphony 6.11.x. They can be added manually though. This will be resolved in Symphony 6.12.

Release 1.0.5.0

New Features

Issue ID	Description
PACK-40	Grundig: Support for GCI-C0745P cameras.
PACK-292	Samsung: Support for SNB-6004/6003 camera series.
PACK-32	Sony: Support for direct camera connection.
PACK-293	Sony: Support for SNC-VB630, SNC-VM630, SNC-VM631, SNC-VB600, SNC-VM600, SNC-VM601, SNC-VB600B, SNC-VM600B, SNC-VM601B.

Improvements

Issue ID	Description
PACK-78	Grundig: Improved auto-detection.
PACK-88	Grundig: Support for latest SDK.
PACK-312	Updated calibration for improved tracking for Axis Q6032 and Axis Q6034.

Fixes

Issue ID	Description
PACK-298	Axis: Can now switch from Gen2 to Gen3 camera in Direct Mode.
PACK-307	Bosch Dinion camera in direct mode with digital input triggered working correctly.
PACK-300	Bosch Dinion HD camera now showing correct frame rate.
PACK-251	Eneo GX and PXB camera series: Initial digital output status retrieval.
PACK-316	Grundig: Accurate zoom on selection in PTZ cameras.
PACK-141	Grundig: Pushed resolution setting.
PACK-140	Grundig: Second stream displayed a correct resolution.
PACK-213	Sony: Digital Output working correctly.
PACK-208	Sony: SNC RX520N correctly detected as PTZ camera.
PACK-144	Sony: SNC RZ50 camera detected correctly.
PACK-253	Vivotek SD7151: Record on motion by device VMD working correctly.

Release 1.0.3.1 and 1.0.4.1

To maintain client/server compatibility across different versions of Symphony 6.11.x and later, you must replace the 1.0.3.0 and 1.0.4.0 device packs with 1.0.3.1 and 1.0.4.1 device packs (or later) from the [Aimetis Xnet](#).

Important: Release 6.11.0.1 includes Device Pack 1.0.4.0 and release 6.11.0 includes Device Pack 1.0.3.0.

Release 1.0.4.0

Important: Device Pack 1.0.4.0 should be applied to Symphony v6.11 only.

New Features

Issue ID	Description
PACK-27	Oncam: Support for Evolution cameras.

Improvements

Issue ID	Description
PACK-60	FLIR: Support for PT-Series cameras.

Fixes

Issue ID	Description
PACK-280	Axis camera audio works in Direct Connect mode.
PACK-279	Video recovered correctly from edge storage when clock time falls behind.