SightTracker PTZ Release Notes

June 23, 2025 Release

The latest release of 17.0 firmware for the SightTracker PTZ fixes an issue that can cause the web server to stop running, necessitating a reset to factory defaults procedure; PTZ tracking Reactivation Time improvements are also included.

Device Firmware - 17.0.231

- **Camera Name breaking WebConfig:** PTZ firmware was not able to handle arbitrary Camera Name values; complex camera names could cause the web server to not start. Customers on prior firmware have two options: Use the Factory Defaults button, or SightLogix support can reset CameraName through SSH to recover affected devices. With this new firmware,the camera's hostname will be set to "SL-[SerialNumber]" instead of the camera name. This may affect DHCP leases.
- **Live View User Mode resumes tracking too quickly:** Live view in WebConfig should now continuously send move commands to retain user control of the PTZ while the left mouse button is pressed. This timeout should more closely match the Reactivation Time. The zoom timeout was also tweaked to work better with short reactivation times.
- **Change default ReactivationTime to 15s:** Short reactivation time can cause frustration with user control. The default has been changed from 2 seconds to 15 seconds. The tooltip was updated to clarify Reactivation Time controls the Idle Home Position timeout.
- **Do not reset DNS on Factory Defaults:** When performing Factory Defaults Procedure from WebConfig, do not reset the DNS server field since this should be kept as part of the network configuration.

April 9, 2025 Release

The latest release of 17.0 firmware for the SightTracker PTZ adds a new image stabilization feature and fixes a DHCP problem introduced in 17.0.207, along with other minor fixes.

Device Firmware - 17.0.225

- **DHCP ClientIdentity regression:** Firmware 17.0.207 changed the ClientIdentity(option 61) portion of the DHCP request to IAID/DUID which may cause the DHCP server to not reissue the PTZ's lease or give out a different IP address. 17.0.207 also stopped sending hostname in the request. This new version resumes the previous behavior using the MAC address for this field and sending the hostname. PTZ's switching to or from firmware version 17.0.207 and running in DHCP mode may change IP or not get an IP after the upgrade.
- **SightTracker PTZ image stabilization feature:** When enabled and the PTZ is not moving, the video will be digitally stabilized. The stabilizer adds a 10% digital zoom to provide border pixels for the stabilization operation. This feature is enabled via a new checkbox "Digital Image Stabilizer" on the Device page of SightTracker PTZ's WebConfig. It is disabled by default.
- **Continual reboot behavior in DHCP mode without lease:** While a PTZ is configured for DHCP with the fallback IP disabled, it should now reboot roughly every 10 minutes until it acquires a lease. Customers can still use the SightLogix Discovery tool to find the camera's IPv4LL address (169.254.x.x) and change settings between reboots.
- **Fix fallback enable/disable display:** SightTracker PTZ's WebConfig now correctly shows the current state of the fallback IP in the device page. This was a regression in version 17.0.207 which would always show disabled.
- **Fix WebConfig failure edge case for certain IPv6 networks:** In some IPv6 networks 17.0.207 can cause WebConfig to stop working on an otherwise working PTZ. This has been fixed.
- **Debug file to include network parameters:** The Capture Debug Information button in WebConfig will now include information about DHCP leases and link state.

January 17, 2025 Release

The latest release of 17.0 firmware for the SightTracker PTZ fixes a Discovery problem and also includes NTP and networking improvements.

Device Firmware - 17.0.207

- **Discovery in DHCP with multiple PTZs:** Fixes an issue where Discovery would not show PTZ's if more than one PTZ was on a DHCP network with fallback enabled. Prior to this fix, only the first PTZ to boot-up would show in Discovery until its fallback mode was disabled, at which point another PTZ would be displayed.
- **NTP bug fixes:** The time overlay now properly shows "No NTP" when the server is not synchronised with the system clock. Previously, there was a condition where the WebConfig NTP status would show "Synchronised" even though it wasn't.
- **Fallback networking changes:** The PTZ will now look for new DHCP servers whenever it detects a new network connection. Additionally, the 192.168.0.99 address will be taken down once a DHCP address is allocated. Users are reminded that they can use the SightLogix Discovery program or other SightLogix devices to find newly booted PTZs. Finally, the current fallback IP address in WebConfig will no longer be shown in fallback mode.
- **ExacqVision ONVIF PullPoint regression:** With some versions of ExacqVision VMS, including 24.06.1.0, SightLogix alarms stopped being consumed. This has now been fixed.

October 22, 2024 Release

The latest release of 17.0 firmware for the SightTracker PTZ adds support for Avigilon VMS, improved PTZ discovery, and fixes some networking issues.

Device Firmware - 17.0.189

- **Avigilon support added:** The Avigilon VMS should now correctly detect SightTracker PTZ as a PTZ instead of a fixed camera.
- **Exclusive Access support added:** SightMonitor II Exclusive Access mode now works with SightTracker PTZ.
- **HTTPS Only Mode upgrade:** The HTTP URL should now properly forward to HTTPS when in HTTPS only mode.
- **Debug Report stability:** Camera Debug report now captures what it can when the internal SD card has failed.

- **NTP Status and broken WebConfig page fix:** This corrects a condition where a certain sync state of NTP could cause WebConfig to stop working.
- **NTP Status simplification:** NTP status now shows an explicit Synchronized/Not Synchronized on the first line before a new, more detailed status output below.
- **ONVIF changes:** Improves consistency between media and PTZ responses and adds TooManyScopes fault.
- **Improved PTZ Discovery:** PTZ now shows correct IP addresses after a DHCP lease change even when multiple IP addresses are present.

Apr 11, 2024 Release

The latest release of 17.0 firmware for the SightTracker PTZ fixes some networking issues.

Device Firmware - 17.0.169

- **Fallback IP address not activating:** PTZ devices were not properly enabling the 192.168.0.99 address. SightLogix Discovery is still able to detect these devices via the IPv4LL address.
- **Netmask computation issue**: Fixed an issue where some netmasks greater than CIDR /24 were not working properly. The PTZ would become unreachable after the reboot requiring a factory reset.
- **Discovery Issue**: Fixed an issue where discovery service may not start on the camera when booting in static IP mode under some conditions.
- **Retain fallback IP when managed from fallback IP**: The SightTracker PTZ should no longer disable the fallback IP address when it is managed from 192.168.0.99 or IPv4LL. The fallback IP (192.168.0.99 and IPv4LL) will still be disabled when settings are modified from a DHCP address. Fallback is always disabled when in static IP mode.

Feb 27, 2024 Release

The latest release of 17.0 firmware for the SightTracker PTZ fixes a regression with Milestone joystick control.

Device Firmware - 17.0.163

- **User control in Milestone:** Fixed a zoom control regression in Milestone.
- **Improved ONVIF continuous move behavior**: Continuous move for pan, tilt and zoom will now scale with the field of view for better joystick control.

Feb 13, 2024 Release

The latest release of 17.0 firmware for the SightTracker PTZ contains minor video quality and stability fixes.

Device Firmware - 17.0.161

- **Streaming:** Improved buffer performance for RTSP TCP streaming. Users should see fewer video glitches.
- **Stability:** Fixed theoretical boot loop condition if flash corruption occurs.

Jan 9, 2024 Release

The latest release of 17.0 firmware for the SightTracker PTZ.

Device Firmware - 17.0.146

- **Autofocus:** Improved autofocus behavior in low light or low contrast scenes.
- **Auto-Track Timeout:** Adds 'Auto-Track Timeout' to PTZ Tracking Behavior tab. This is the timeout to linger on neural network targets when no SightSensor track target is available. When 'Auto-Track Timeout' is active, the default video overlay will display "ST-Dwell".
- **RTSP Authentication**: Adds the ability to require a password on the RTSP stream. There is now an 'Anonymous RTSP Streaming' option to MPEG/JPEG tab, which, If checked (default) the RTSP video can be viewed without a password. If unchecked the ONVIF Access username and password is required to view RTSP video.
- **Fix ONVIF absolute move regression**: ONVIF absolute move and GetStatus should now work as expected.

- **New ONVIF PTZ Auxiliary "FollowHere"**: Exposes a new ONVIF Auxiliary command FollowHere which will initiate auto tracking similar to an absolute move.

Sept 26, 2023 Release

The latest release of 17.0 firmware for the SightTracker PTZ includes significantly improved tracking and following behavior.

Device Firmware - 17.0.133

- **SightMonitor Incompatibility:** SightTracker PTZ works with WebConfig and SightMonitor II, and is not compatible with the "Classic" Java-based SightMonitor. An attempt to add the PTZ to Classic SightMonitor would produce a reboot loop that prevented factory default behavior. This firmware fixes this issue by blocking the ability to add SightTracker PTZ to the Java-based SightMonitor.
- **AI-based tracking:** Adds a 1% "dead zone" around the image center. Improves positioning when tracking multiple targets. Adds a Target Priority "Neural Network" to WebConfig PTZ section.
- **Smoother Pan/Tilt motion:** Improve the smoothness of pan/tilt moves, especially for neural network-based targets.
- **Timezone fixes**: Some time zones were causing the camera to default to GTM. Please check your time zone.
- **Low temperature:** Automatically warms the camera when internal temperature is below freezing.

June 30, 2023 Release

The latest release of 17.0 firmware for the SightTracker PTZ includes the following.

Device Firmware - 17.0.40

- **Stability fix:** An issue caused the webpage to stop responding after 10 days of uptime. The PTZ would then need to be manually rebooted. 17.0.40 fixes this issue and the PTZ may need a manual reboot in order to upgrade.

- **PTZ Live View zoom improvements:** SightTracker PTZ live view page should be more responsive to mouse wheel zoom commands.
- **PTZ Live View streaming after refresh:** SightTracker PTZ live view page should not stream while other tabs are active. Before release 17.0.40 if the user refreshed the web page while on another tab the live view would start streaming in the background.

May 18, 2023 Release

The latest release of 17.0 firmware for the SightTracker PTZ includes the following.

Device Firmware - 17.0.35

- **Factory Defaults button fix:** An issue affecting the Factory Defaults button behavior was resolved.
- **Camer Neighborhood uptime fix:** SightTracker PTZ cameras will now show correct uptime in other devices displayed in the Camera Neighborhood WebConfig page.
- **Openeye camera proxy:** Backported changes were made to allow Openeye to proxy the PTZ's WebConfig pages.
- **WebConfig Bitrate fix:** Bitrate can now be changed in WebConfig.
- **ONVIF Absolute Move:** Initial support has been added for Absolute Move command via ONVIF. This has been tested against the ONVIF device manager.