

Operation guidelines for Guard and Preset Tours

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The mechanical drive platform of AUTODOME cameras is designed to provide reliable preset accuracy and extended product life. To optimize the performance of your AUTODOME camera, follow these suggestions for configuring tours and operating the camera using them.

Continuous Guard Tours

Guard Tours are an effective way of monitoring the entire scene; however, if not configured properly, continuous Guard Tours can reduce the service life of your camera.

- Continuous Guard Tours should be used in applications where the tours are required to run for a fixed duration during the day (not more than twelve hours/day).
- The user should maintain slow and smooth PTZ operation (without erratic stops and starts) during the recording of the Guard Tour. Avoid recording tours using “Turbo Mode” P/T operation.
- Keep sufficient illumination levels (5 lux or greater for STARLIGHT cameras, 10 lux or greater for DYNAMIC cameras, and 20 lux for all other non-HD cameras) in the sectors where you record the Guard Tour.
- The Guard Tour recording is recommended to be at least 60 seconds in duration.
- Every 60 seconds, the user should have at least 20 degrees of tilt movement during recording session.
- It is recommended to keep the camera zoom lens set at a wide angle during the recording of the Guard Tour. Use a preset tour if significant changes in zoom are required.

Continuous Preset Tours

Preset tours should be used where specific parts of a scene need to be monitored at regular time intervals. For scenarios that require the camera to be in continuous motion for most of the day, the camera must be configured to use a Preset Tour. The dwell time between the preset intervals will impact the overall service life of the moving parts in the camera.

- For best results, always ensure that the preset tour has a dwell time of at least 20–30 seconds.
- Presets should be saved with One Push (“Spot Focus”) only.
- It is recommended to keep the distance between presets as small as possible.
- Keep sufficient illumination levels (5 lux or greater for STARLIGHT cameras, 10 lux or greater for DYNAMIC cameras, and 20 lux for all other non-HD cameras) in the sectors where you record the preset tour.