

Honeywell Camera

User Guide



6SS

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1. INTRODUCTION

This document is intended to provide a full installation guide of Honeywell Camera and its integration with Milestone XProtect.

For this purpose, Onvif Device Manager (ODM) is installed and used as a tool to read all the detected events from Honeywell camera, save them into SQL database, and in turn pushing these metadata into Milestone Smart Client.

Honeywell LPR Main Features

- Fully integrated with All Milestone XProtect versions
- Accessed from the Smart Client interface
- Fully integrated with Maps
- Parallel handling and processing of unlimited camera inputs
- Filter through LPR history based on various criteria
- Flexible search functionality by from-to date, plate number, country and license type
- List of all captured plate numbers including plate type, country, state, confidence level, image, camera name and date.
- Option to view a playback video for the period when the plate number was detected
- Scheduled reports on a daily, weekly or monthly basis
- Customizable dashboards and statistics
- Alarming capabilities (Email, SMS)
- Regular expression alerting
- Configurable actions in case of license plate recognition
- Option to save the license plate as Blacklisted or Whitelisted
- Can read the blacklisted file in various formats (DB Table, Excel or CSV)
- Hotlist alarming capabilities
- One click data export in Excel format
- Automatic data retention period handling
- Easy installation and operation
- Customizable upon request

2. GETTING STARTED

2.1. System Requirements

- Windows OS 8 or above
- SQL Server 2012 or above
- Onvif Device Manager v2.2.250 or above
- Honeywell Plugin Setup.
- Milestone XProtect Management Client (2016 or above)
- Milestone XProtect Smart Client (2016 or above)

2.2. System Introduction

The server part of the system consists of 2 main components: Management and LPR servers. Each LPR system contains only one Management server, and one or more LPR servers, depending on the project size and the system's distributed architecture. Both processes can be installed and ran on the same server, but each with its own configuration. The machine has to be licensed first before doing anything on the LPR system after the installation.

3. HONEYWELL INTEGRATION WITH MILESTONE

3.1. Setup Wizard

Unzip the Release folder and open to run the setup wizard for the LPR plugin.

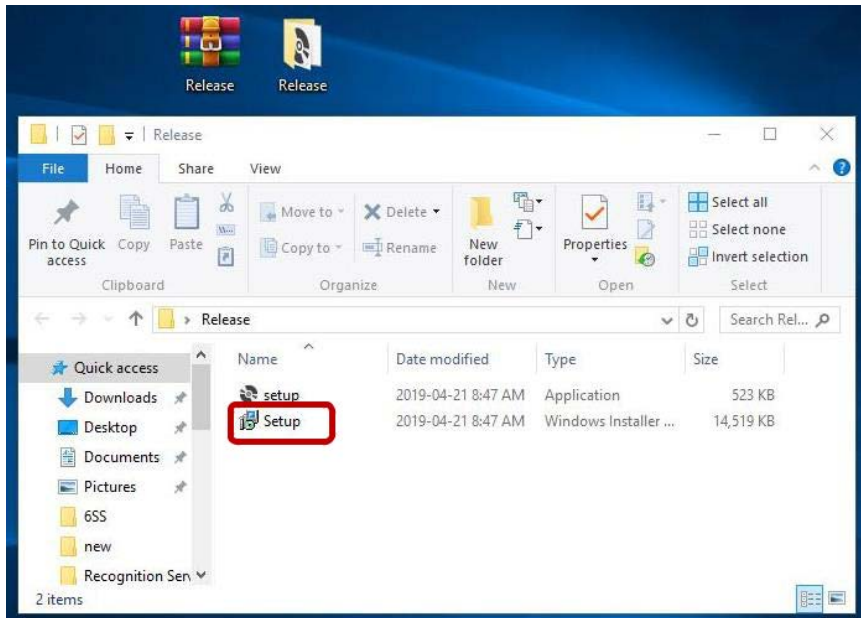


FIGURE 1: LPR PLUGIN SETUP FOLDER

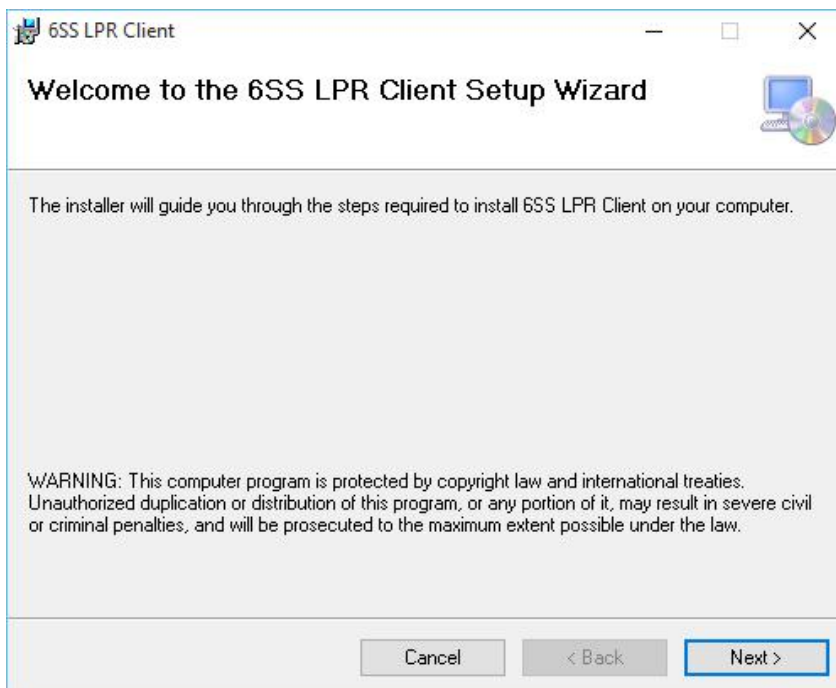


FIGURE 2: LPR SETUP WIZARD

Choose the path to where the LPR plugin folder will be created as shown in **Figure 4**. Click next to continue and the setup will be installed as shown in **Figure 5**.

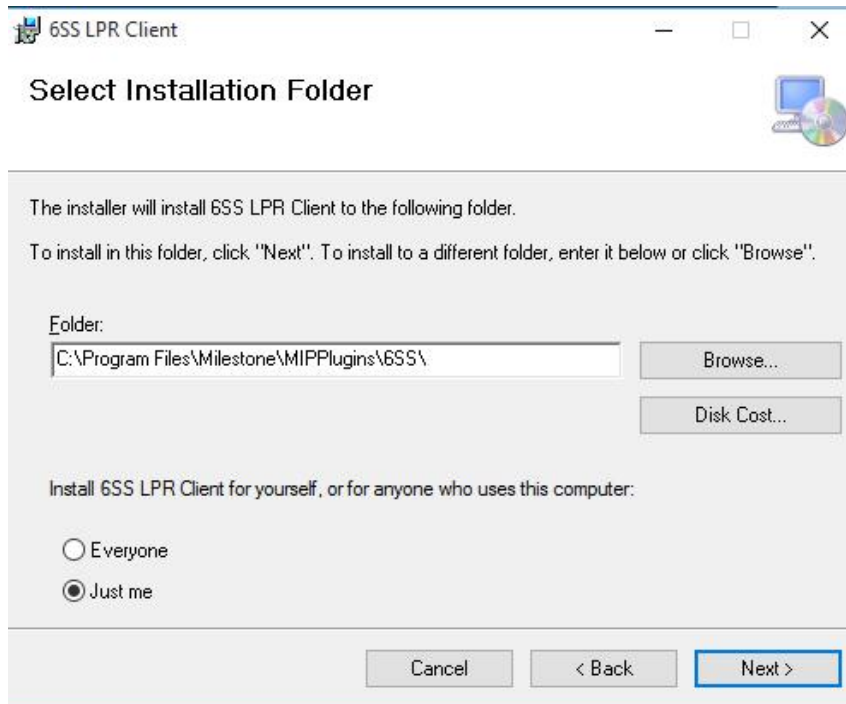


FIGURE 3: 6SS LPR CLIENT INSTALLATION FOLDER

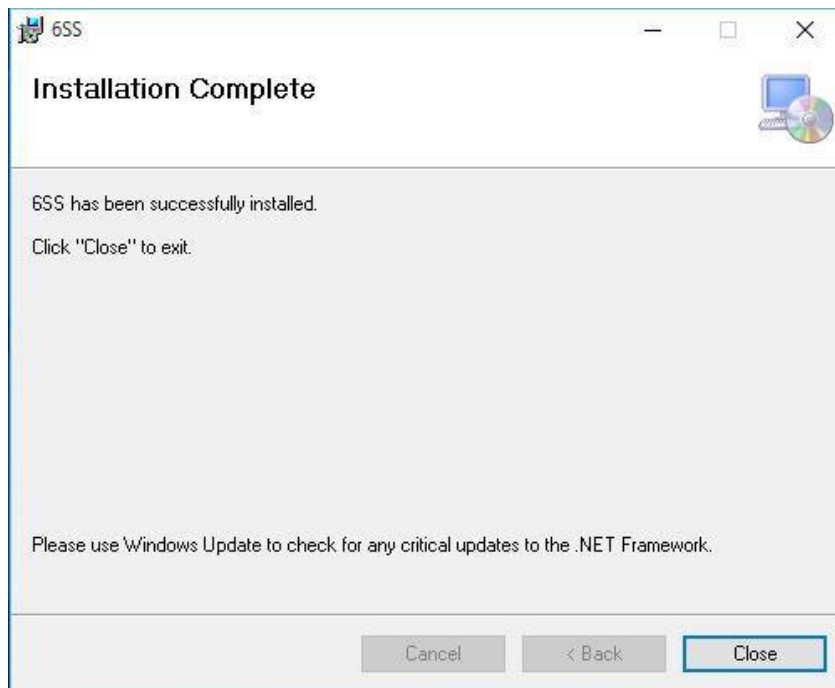


FIGURE 4: 6SS LPR CLIENT INSTALLATION SETUP

3.2. Management Client Interface

Open Milestone XProtect Management Client then click “HONEYWELL LPR” under MIP Plugins as shown in Figure 6.

In the first tab enter the server name or IP address in case the SQL Server is installed on a different device otherwise you can keep it blank (local host).

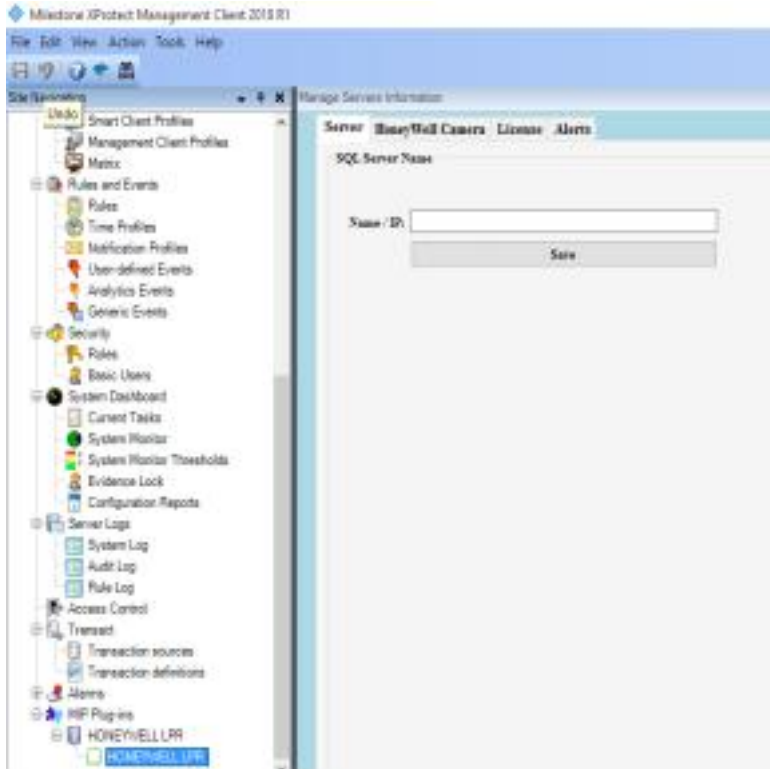


FIGURE 5: HONEYWELL LPR- SQL SERVER

Then, you need to specify Honeywell camera settings for first time use by entering the camera IP address and port number, click “Set Connection Info” to save your settings.

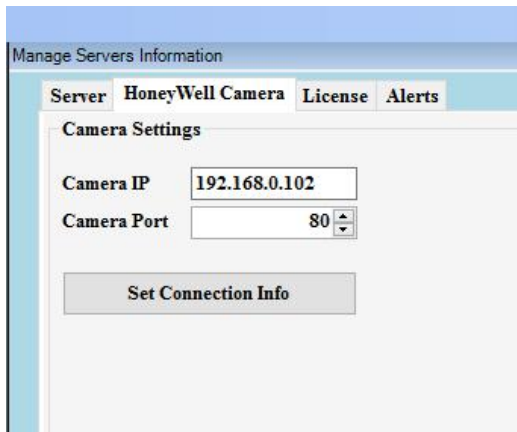


FIGURE 6: HONEYWELL LPR- CAMERA SETTINGS

As for the LPR license, click “Get Computer ID” button and send to Tech.t@6ss.co the issued product ID with the number of licenses needed to activate the LPR. Upon receiving the license file, click “Import License” button to import the latter.

Note that for each camera used a license is required. The license is paid once with no expired date, with a yearly optional upgrade (18 % of the license fee for each camera) for any additional features, maintenance, and enhanced versions.

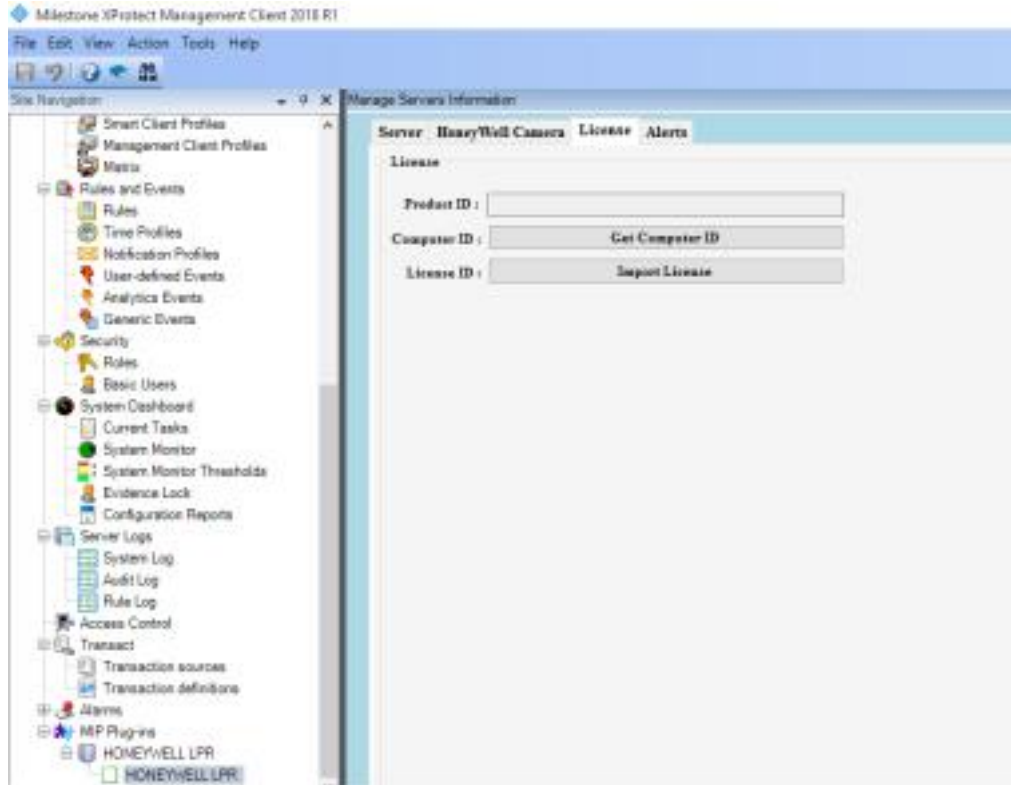


FIGURE 7: HONEYWELL LPR- LICENSE SETTINGS

The last tab is for alerts. Here you can specify the plate number you want to fire an alarm for when detected by the camera, either as a blacklisted or whitelisted. You can also attach an event for this alarm in order to trigger a certain action. Use the button “Add Alert” to activate the alarm.

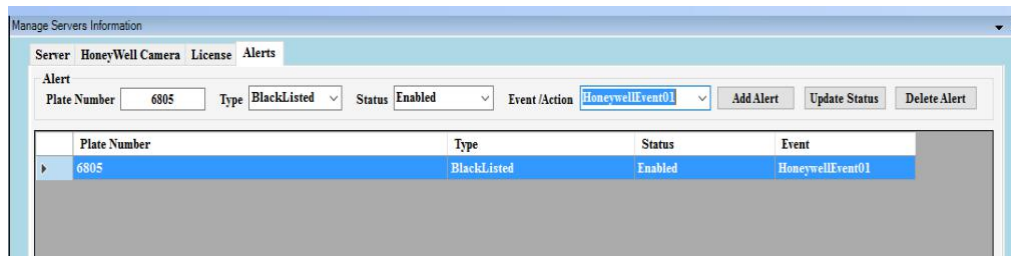


FIGURE 8: HONEYWELL LPR- ALERTS SETTINGS

3.3. Smart Client Interface

Open Milestone XProtect Smart Client. In the live tab select your intended camera as shown in the bottom right corner of Figure 10.

When the camera detects license plate number, the latter will be shown as a snapshot of the plate number in the right panel above the button “Select Camera”.

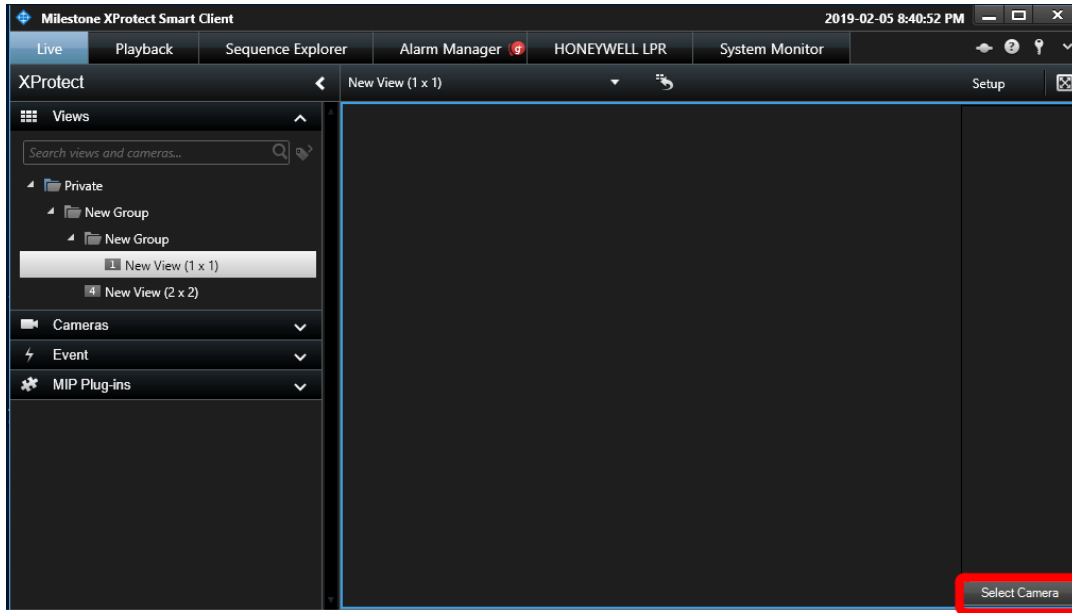


FIGURE 9: MILESTONE LIVE INTERFACE

All the alerts previously defined in the management client are shown in the “Alarm Manager” tab with a red flag indicating the number of alarms fired as shown in Figure 11. If you click on a certain alarm the live and recording videos will be shown along with the alarm’s information.

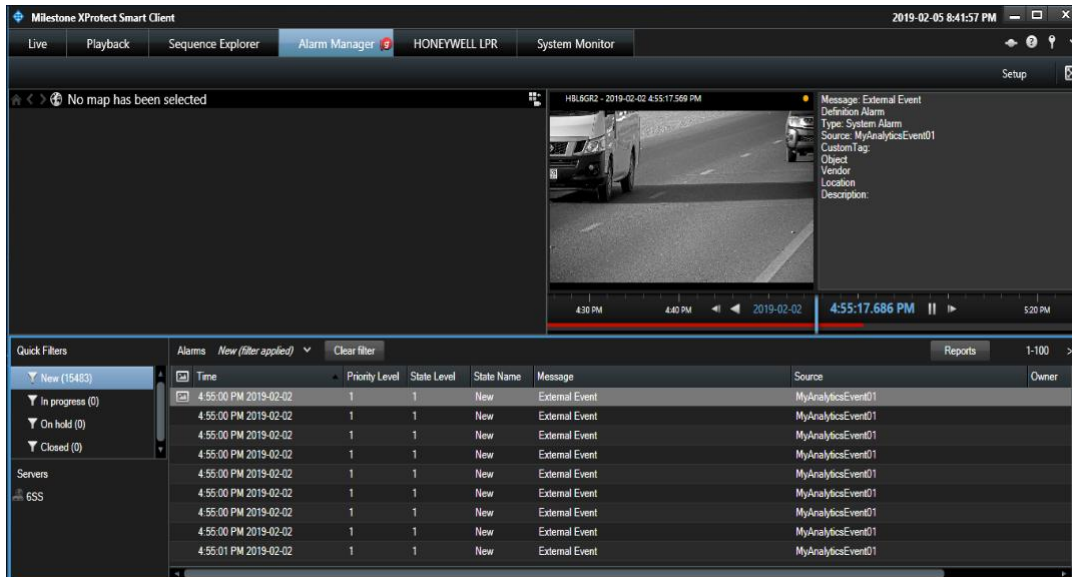


FIGURE 10: MILESTONE ALARM INTERFACE

In the “Honeywell LPR” tab you can check all the LPR events captured by which camera, in which category and country, at what confidence level detected at a certain date along with the plate number and its image. You can use the filters shown in the right panel of Figure 12 as well as to export the listed events to excel file.

When you click on an event line you can use the bottom right video to play back the video frame from the first moment the plate number is captured.

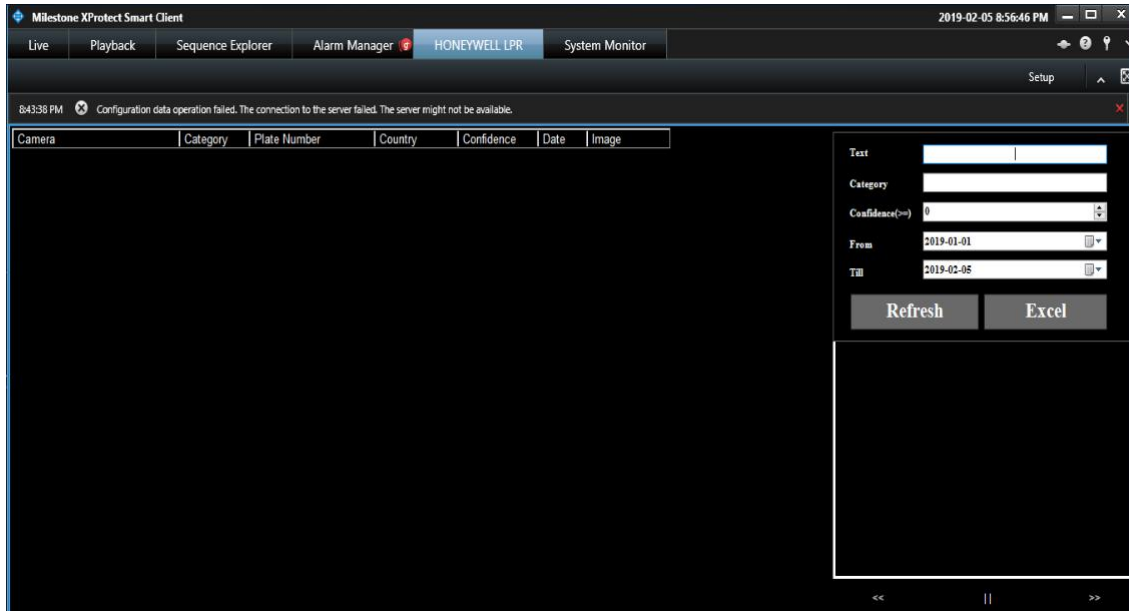


FIGURE 11: MILESTONE HONEYWELL LPR INTERFACE