AN-235

Changing the Protege Entry Station's Camera Resolution

Application Note

ICTeSecurity®

The specifications and descriptions of products and services contained in this document were correct at the time of printing. Integrated Control Technology Limited reserves the right to change specifications or withdraw products without notice. No part of this document may be reproduced, photocopied, or transmitted in any form or by any means (electronic or mechanical), for any purpose, without the express written permission of Integrated Control Technology Limited. Designed and manufactured by Integrated Control Technology Limited. Protege® and the Protege® Logo are registered trademarks of Integrated Control Technology Limited. All other brand or product names are trademarks or registered trademarks of their respective holders.

Copyright © Integrated Control Technology Limited 2003-2016. All rights reserved.

Publication Date: May 2017

Contents

Introduction ____ 4
Prerequisites ____ 4
Configuration ____ 5
Installing ADB ____ 5
Running the Commands ____ 8
Verifying the Camera Resolution ____ 11
Configuring the Grandstream Phone ____ 12
Contact ____ 15

Introduction

To display the entry station's live camera feed on capable Grandstream phone, you need to reduce the camera's resolution. This is done using ADB and a specific string of commands in Command Prompt. This application note outlines how to install ADB, how to run the commands, and configuring the Grandstream phone.

Prerequisites

Ensure that you have the following prerequisites:

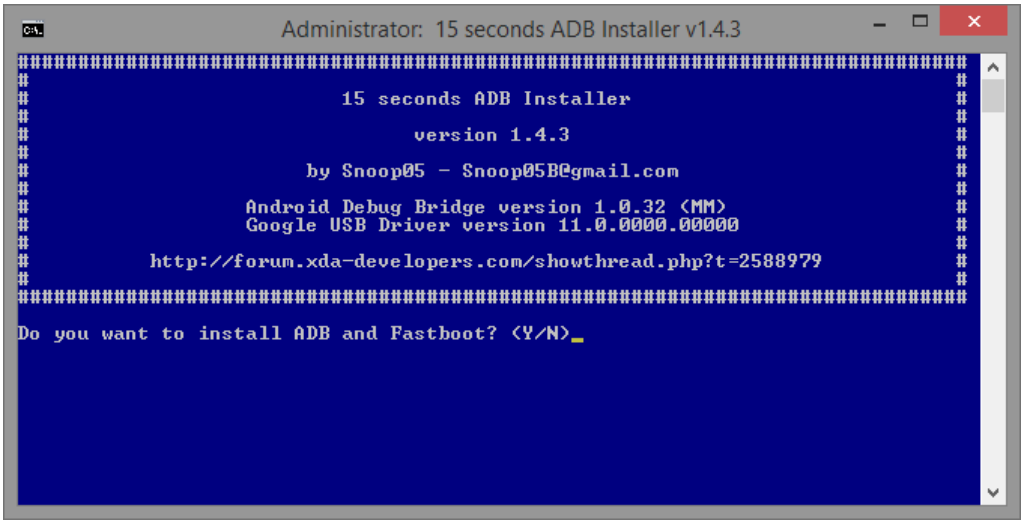
- An entry station running firmware version build 133 or later.
- A Grandstream phone running firmware version 1.0.3.62 or later.

Configuration

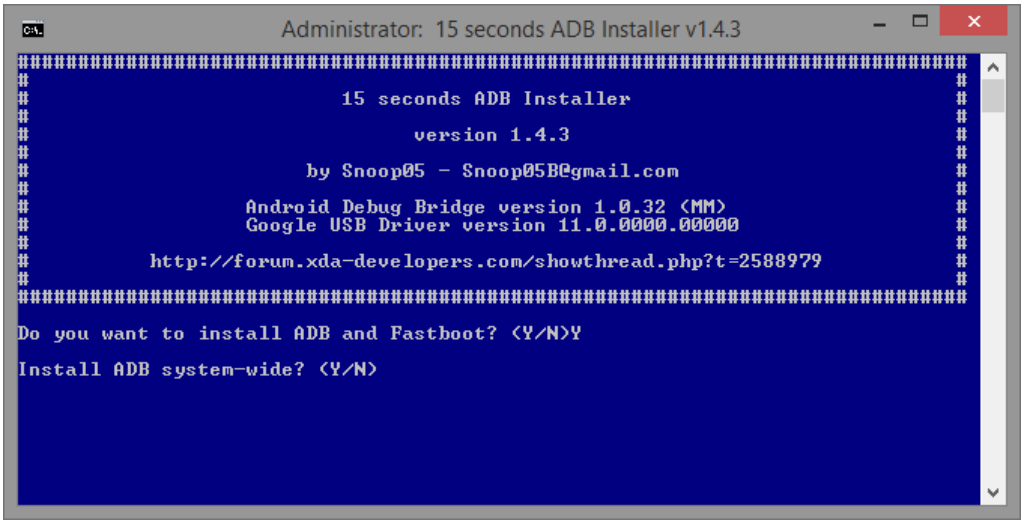
Installing ADB

To reduce the resolution of the entry station's camera, you need to download and install ADB (http://forum.xda-developers.com/showthread.php?p=48915118#post48915118).

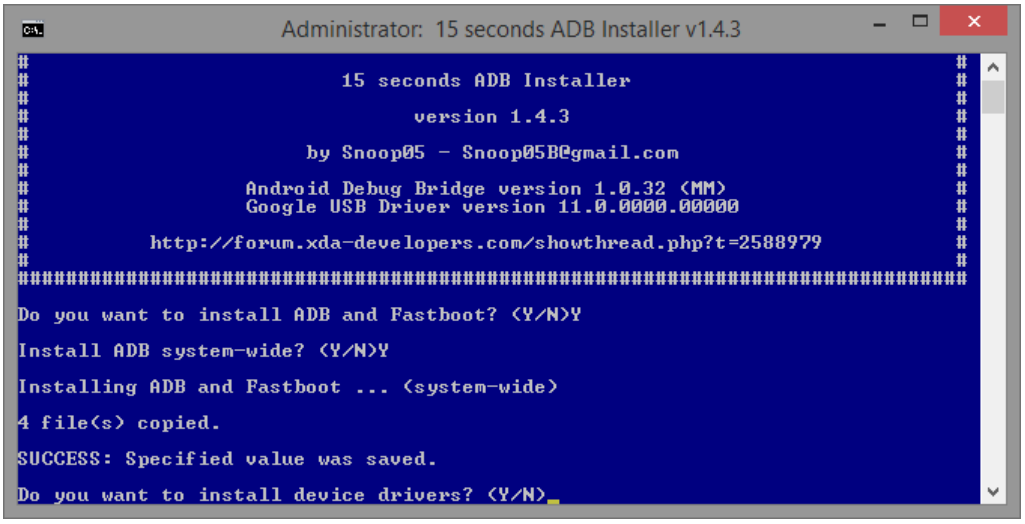
1. Once downloaded, open the adb-setup file.
2. When the installer asks whether you want to install ADB and Fastboot, type **Y** and press **Enter**.



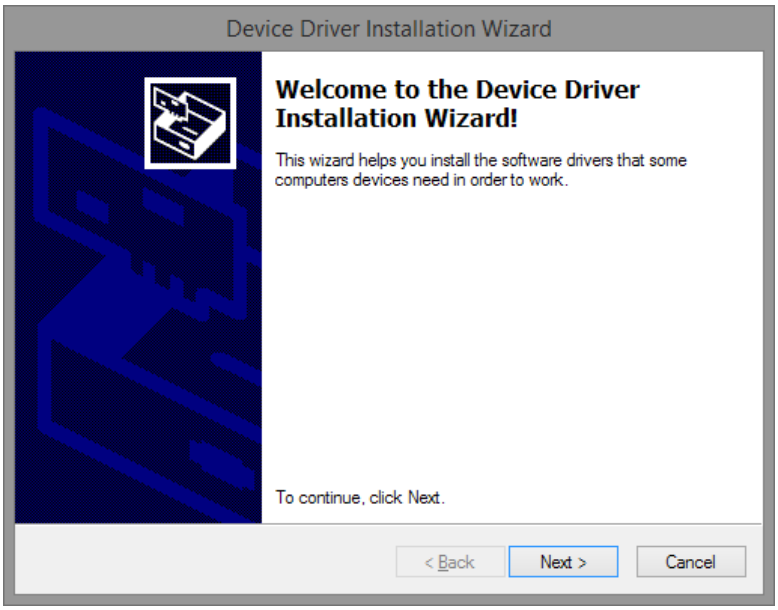
3. When the installer asks whether you want to install ADB system-wide, type **Y** and press **Enter**.



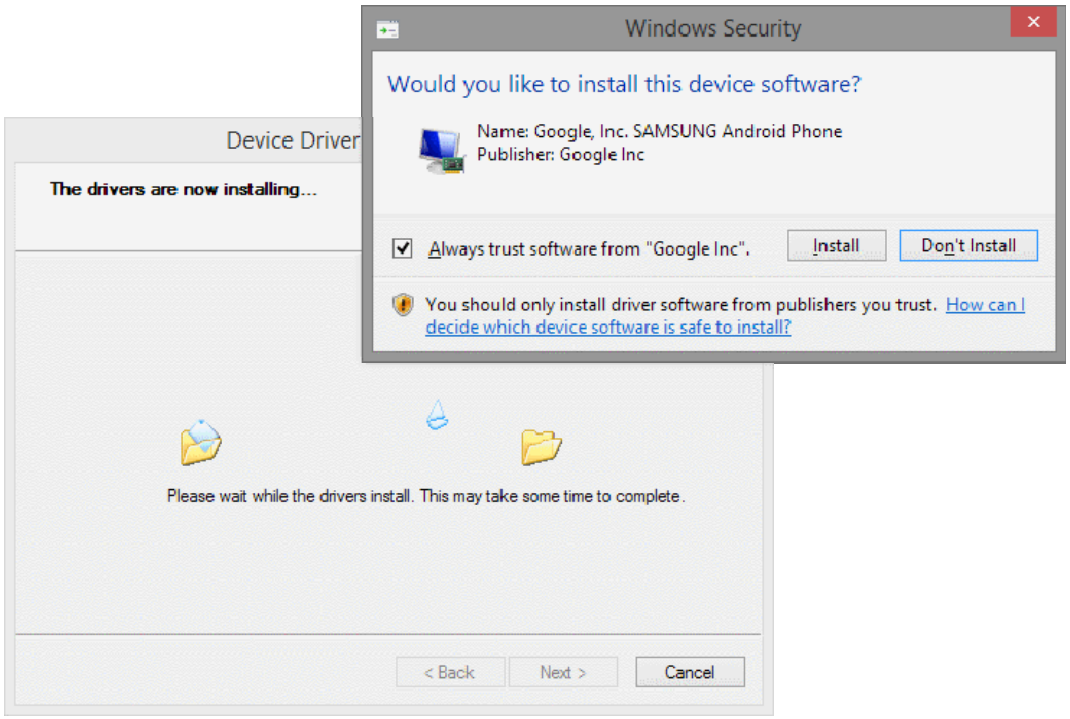
4. If the installation is successful, type **Y** and press **Enter** to start installing the drivers.



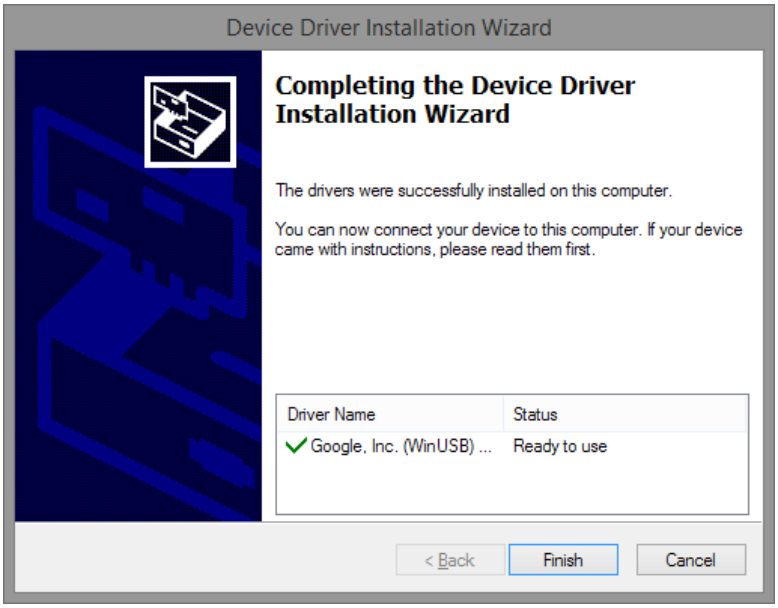
5. Click **Next.**



6. Click **Install.**



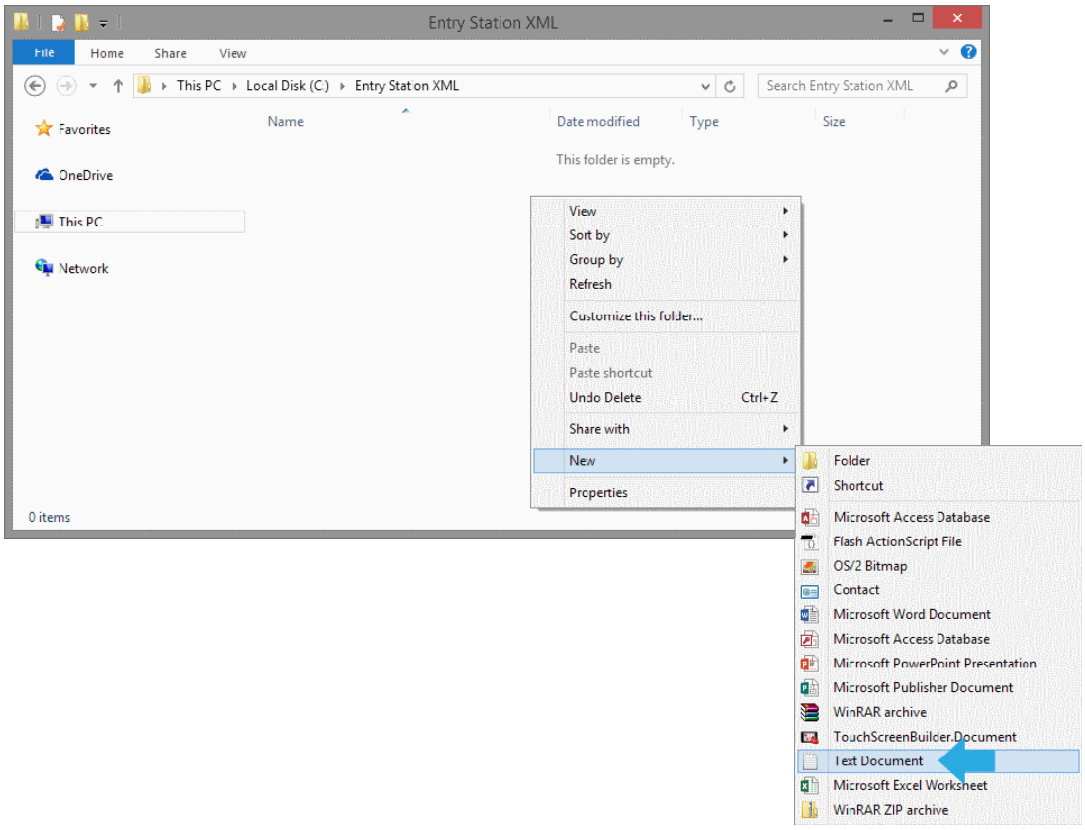
7. Click **Finish.**



Running the Commands

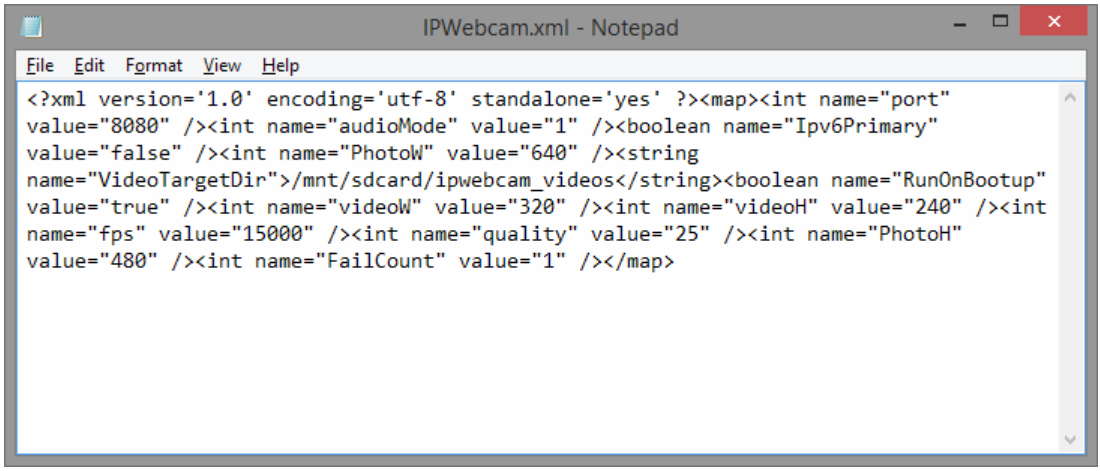
With ADB successfully installed, you can run a series of commands in Command Prompt to push a configuration file through to the entry station.

1. In a new folder created on the C drive of your PC, right click in a blank area and navigate to **New | Text Document**.



2. Name the file **IPWebcam.xml**
3. Open file and enter the following string into the document:

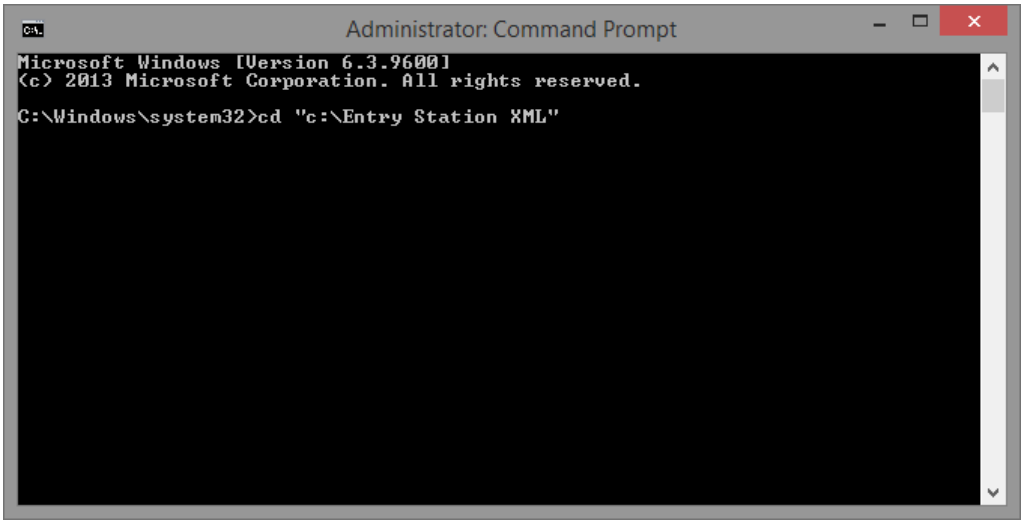
<?xml version='1.0' encoding='utf-8' standalone='yes' ?><map><int name="port" value="8080" /><int name="audioMode" value="1" /><boolean name="Ipv6Primary" value="false" /><int name="PhotoW" value="640" /><string name="VideoTargetDir">/mnt/sdcard/ipwebcam_videos</string><boolean name="RunOnBootup" value="true" /><int name="videoW" value="320" /><int name="videoH" value="240" /><int name="fps" value="15000" /><int name="quality" value="25" /><int name="PhotoH" value="480" /><int name="FailCount" value="1" /></map>



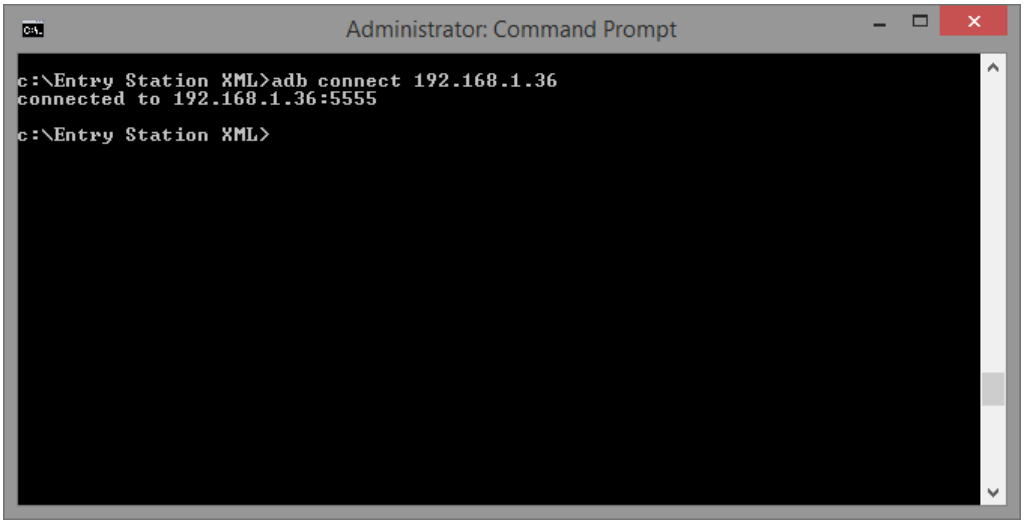
4. Save the file (**File | Save**)
5. Press the **Windows + R** keys to open the **Run** dialog
6. Type **cmd** and press enter to open Command Prompt

Execute the **cmd** in **Administrator Mode** in order to run the following commands

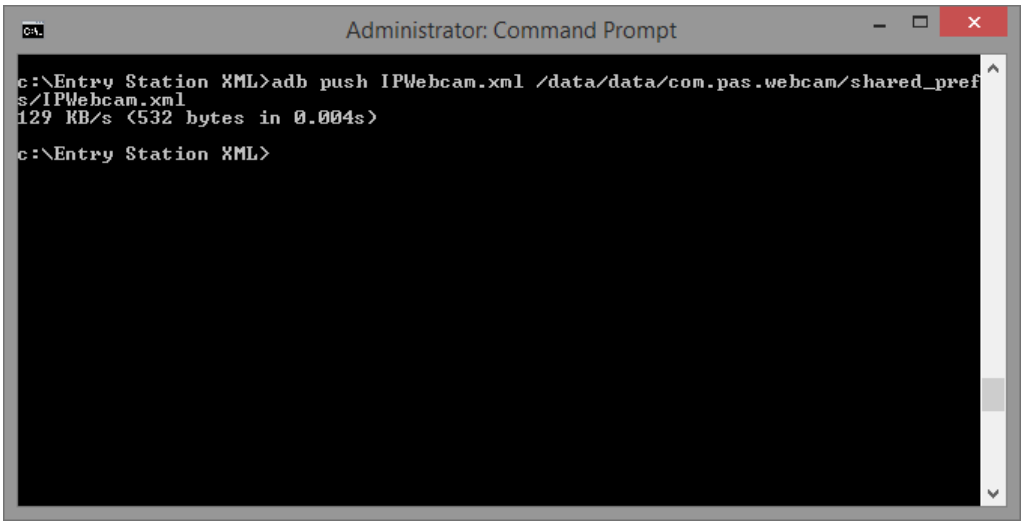
7. Using the cd command, navigate to the location where you saved the IPWebcam.xml file



8. To run ADB and connect to the entry station, enter the command adb connect <entrystationIPaddress>

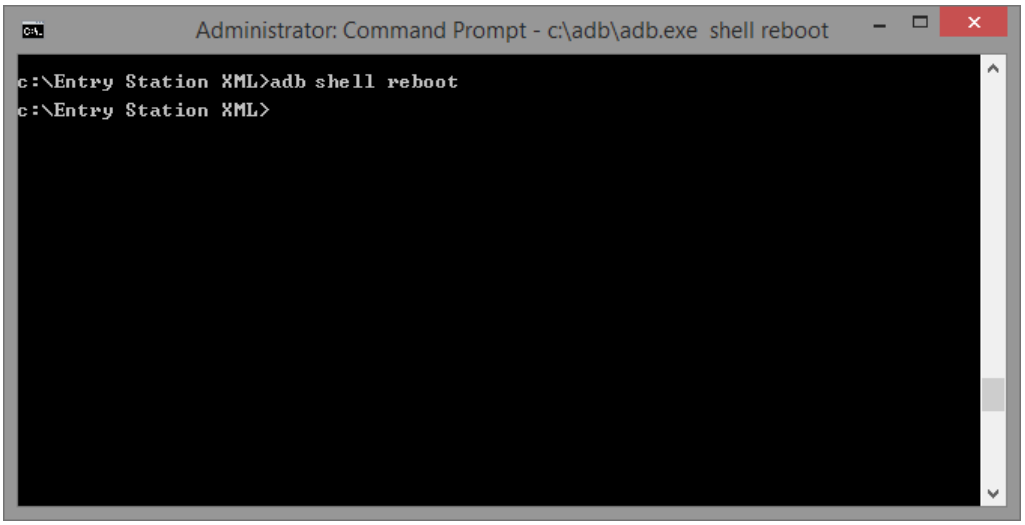


9. To push the IPWebcam.xml file to the entry station, enter the command, adb push IPWebcam.xml /data/data/com.pas.webcam/shared_prefs/IPWebcam.xml



10. To reboot the entry station, enter the command: adb shell reboot

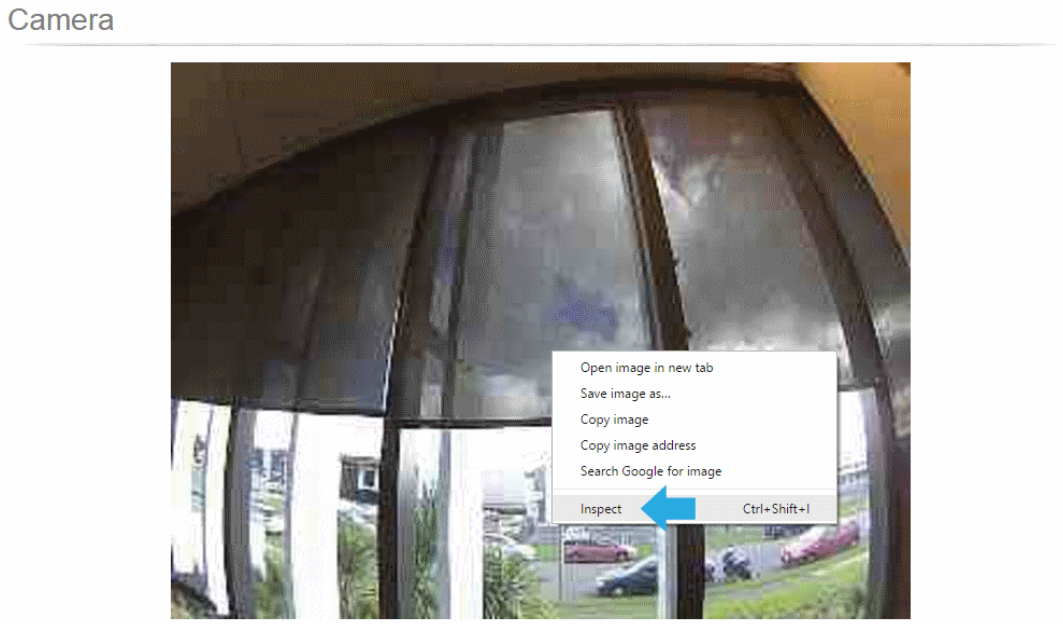
    The entry station may take a few minutes to reboot.



Verifying the Camera Resolution

Once the entry station has rebooted, you need to verify whether the changes have been correctly applied.

1. Launch the web interface and navigate to the **Camera** menu.
2. Right click on the camera feed and select **Inspect**.



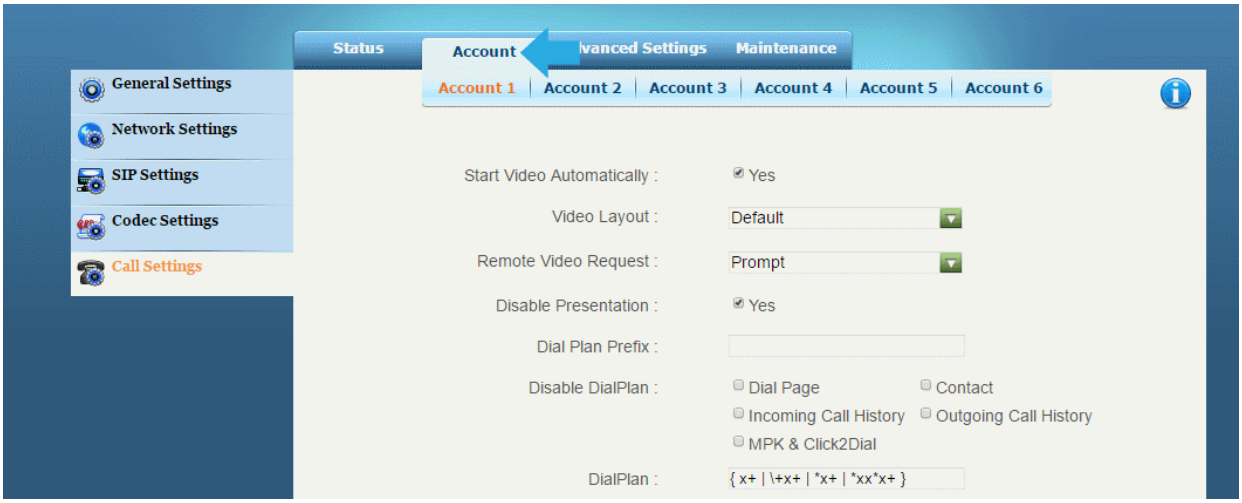
3. Hover over the camera's URL and confirm that its resolution is **Natural: 320 x 240 pixels.**

Configuring the Grandstream Phone

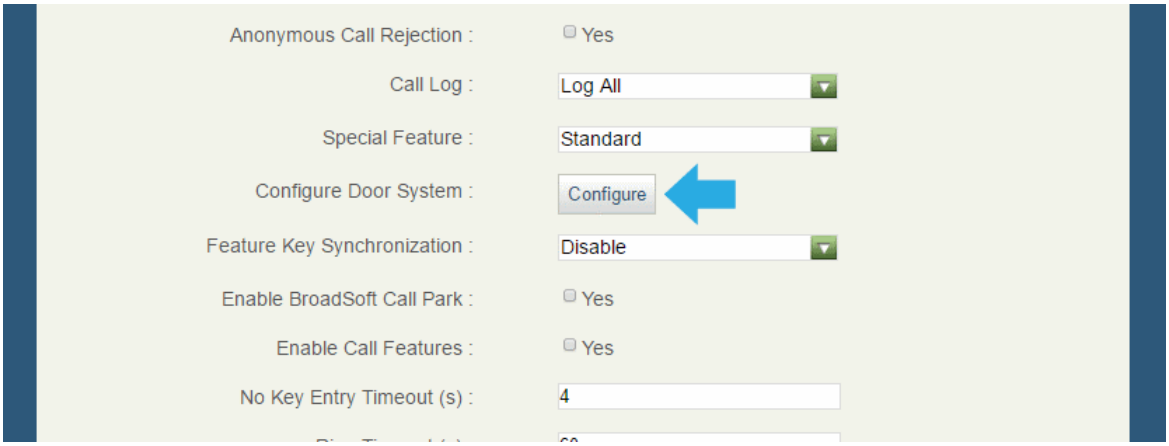
Once the camera's resolution has been reduced, we can link the entry station to the Grandstream phone.

1. To link the Entry Station's camera feed to you Grandstream phone, launch the web interface and login.

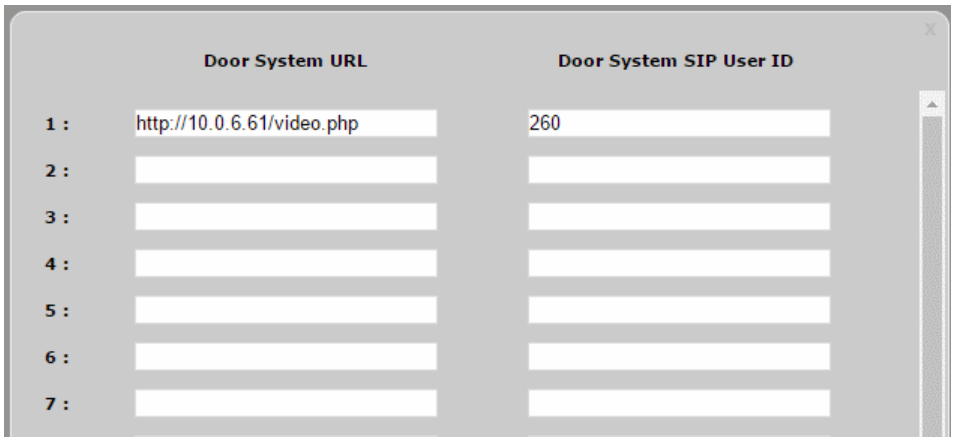
2. Select the **Account** tab and select the **SIP Account** that the calls from in from.



3. Locate the **Configure Door System** option and click **Configure**.

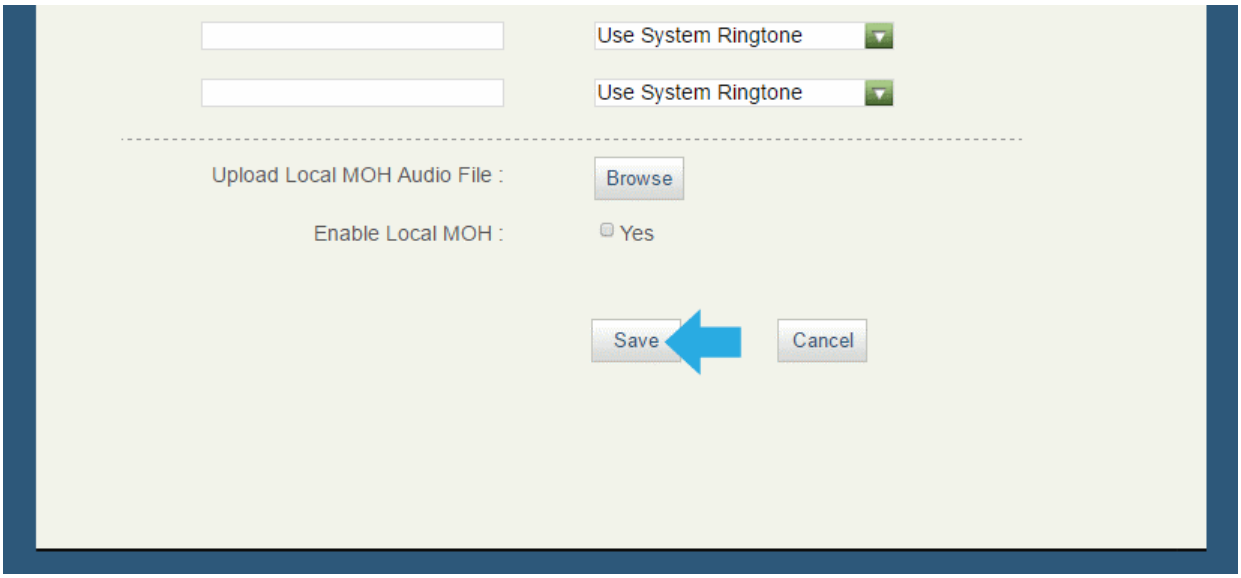


4. In the **Door System URL** field, enter http://{entripaddress}/video.php.
5. In the **Door System SIP User ID** field, enter the phone extension of the entry station.



6. Scroll down and click **OK**.

7. Click **Save.**



8. At the top of the page, click **Apply**.

Contact

Integrated Control Technology welcomes all feedback.

Please visit our website (http://www.ict.co) or use the contact information below.

Integrated Control Technology

P.O. Box 302-340
North Harbour Post Centre
Auckland
New Zealand

4 John Glenn Ave
Rosedale
North Shore City 0632
Auckland
New Zealand

Phone: +64-9-476-7124

Toll Free Numbers:

0800 ICT 111 (0800 428 111) - New Zealand

1800 ICT 111 (1800 428 111) - Australia

1855 ICT 9111 (1855 428 9111) - USA/Canada

Email: sales@incontrol.co.nz or support@incontrol.co.nz

Web: www.ict.co

APAC
Integrated Control Technology Limited
4 John Glenn Avenue, Rosedale, Auckland 0632
PO Box 302-340, North Harbour, Auckland 0751, New Zealand
Email: sales@ict.co Toll Free: (0800) 428 111 Phone: 64 (9) 476 7124

AMERICAS
Integrated Control Technology (USA) LLC
5265 S Rio Grande Street, Suite 201, Littleton, CO 80120
Email: ussales@ict.co Toll Free: (855) 428 9111 Phone: 720 442 0767

EMEA
Integrated Control Technology (Europe) Limited
St Mary's Court, The Broadway, Amersham, HP7 0UT, UK
Email: emeasales@ict.co Phone: 44 0 1494 590494

Designers & manufacturers of integrated electronic access control, security and automation products.
Designed & manufactured by Integrated Control Technology Ltd.
Copyright © Integrated Control Technology Limited 2003-2017. All rights reserved.

Disclaimer: Whilst every effort has been made to ensure accuracy in the representation of these products, neither Integrated Control Technology Ltd nor its employees, shall be liable under any circumstances to any party in respect of decisions or actions they may make as a result of using this information. In accordance with the Integrated Control Technology policy of enhanced development, design and specifications are subject to change without notice