CamLock

CamLock for Android

v1.4.13

User Guide

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Introduction

CamLock for Android ensures the privacy and security of the premises by blocking the camera usage of the employees' devices.

This guide will help the administrators to understand how to install and launch **CamLock for Android**, restrict access to the device's camera, and more.

Supported devices

- Android version 7.0 (Nougat) and above

Key Features

- Restrict access to the device's camera

- Restrict the user from uninstalling CamLock Agent

- Restrict access to the device's camera when it enters a specific location

- Restrict access to the device's camera during a specific period of time

Prerequisite

Enable Things Gateway

Using **Enable Things Gateway** admins can enroll/manage the Things devices in the SureMDM web console. Admins must enable the Things Gateway and set the gateway password in order to enroll the Things devices.

Follow the below steps:

1. Login to the **SureMDM web console.**

2. Navigate to the **Settings > Account Settings > Things Management.**

3. On the **Things Management** screen, select **Enable Things Gateway.**

4. Enter the required gateway password and click **Generate Password**.

5. Click **Save** to save the configuration.

Getting Started with CamLock

CamLock can be downloaded from the **Google Play Store**. Click the link below to download the **CamLock for Android.**

- Google Play Store

Launch CamLock

To launch **CamLock**, follow the below steps:

1. Tap the **CamLock** icon to launch.

2. On the **CamLock** welcome screen, tap **Get Started.**

3. Read and accept the **CamLock Terms of Use.**

4. Select all the permissions on the **CamLock Permission Checklist** screen and tap **Continue.** To know more about CamLock Permissions, see CamLock Permissions Checklist.

   CamLock Home Screen will appear.

Enrollments

The **CamLock** installed devices can be enrolled in SureMDM using the following enrollment methods:

- Manual Enrollment
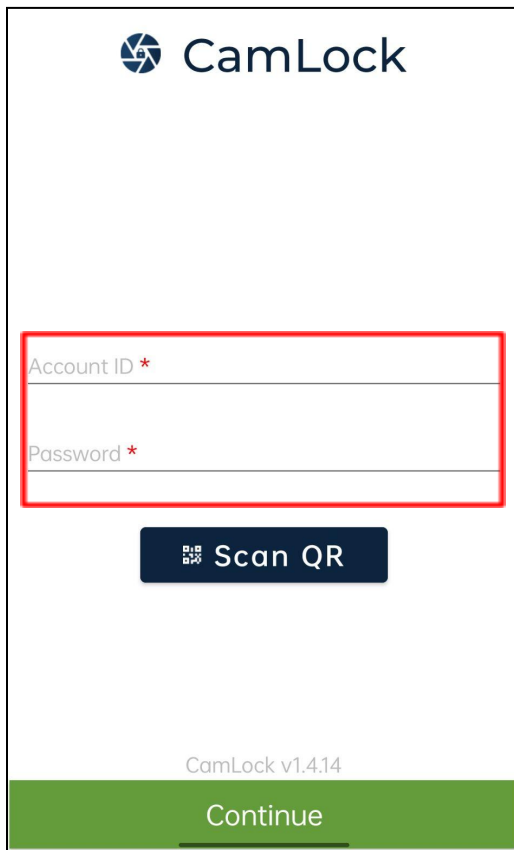- Scan QR Code Enrollment

Manual Enrollment

To enroll the **CamLock** installed Android devices in the **SureMDM web console**, follow these steps:

1. Launch the **CamLock** application on the device.
2. Select all the permissions and tap **Continue.**
3. On the **CamLock home screen**, enter the **Account ID, Password** and tap **Continue**.

Note: Account ID and Password can be found in the following Paths.

- ***Account ID:*** *SureMDM Console > Settings.*
- ***Password:*** *SureMDM Console > Settings > Account Settings > Things Management.*

4. Enter the **Employee/Visitor Name** and **Employee/Visitor ID** on the next page**.**

5. Once done, tap **Continue**.

    ●   On the **CamLock** home screen**,** the device status will change to **Online.**

    ●   On the **SureMDM Web Console,** the device will start reflecting under the **Device Grid**.
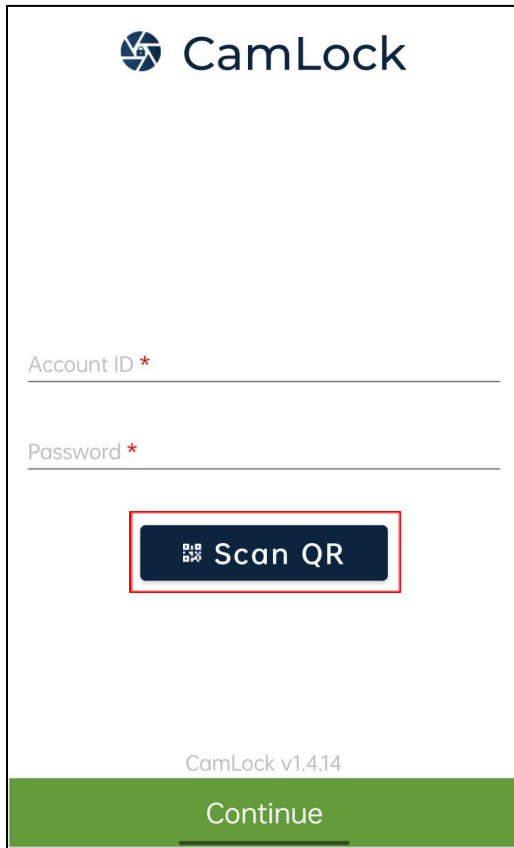
Scan QR Code Enrollment

Scanning QR Code is an alternate method to enroll the CamLock installed devices into the

SureMDM account.

To enroll a new device using a QR code enrollment, follow these steps:

1. Login to the **SureMDM Web Console**.

2. Navigate to the **Enrollment** > **QR Code Enrollment** > **List View > Create QR Code**.

3. On the **Setup QR Code for Enrollment** prompt, under the **Enrollment Type** tab,

   a. Enter the **Name** of the QR Code.

   b. Select the platform as **Things.**

   c. Select the enrollment type as **QR Code Enrollment** and click **Next**.

4. Under the **Configure Options** tab,

   a. Select the **Group** where the device will be enrolled.

   b. Select the **Device Name** from one of the following:

      - Set Device Name Manually

      - Use System Generated Name

5. Under the **Save QR Code** tab, click **Save**.

   The newly created QR Code will be listed under the **QR Code Enrollment** section.

6. Launch the **CamLock** application on the device.

7. Select all the permissions and tap **Continue**.

8. Tap **Scan QR** and scan the QR Code displayed on the **SureMDM web console.**

9. Enter the **Employee/Visitor Name** and **Employee/Visitor ID** on the next page**.**

     Note: This screen will appear only if a user selects the **Set Device Name Manually** option on the

    Create QR Code option.

10. Once done, tap **Continue**.

    ● On the **CamLock** home screen**,** the device status will change to **Online.**

    ● On the **SureMDM Web Console,** the device will start reflecting under the **Device**

      Grid.

CamLock Agent Settings

CamLock settings provide details about the CamLock Agent application.

To access the CamLock Agent settings, follow these steps:

1. Launch the **CamLock** Application on the device.

2. Tap **Settings** on the **CamLock Home Screen.**

3. The following details are available in the CamLock Agent settings:

Settings	Description
Employee/Visitor Name	This option displays the name of the employee.
Employee/Visitor ID	This option displays the employee's ID.
Account ID	This option displays the Account ID of the SureMDM console.
Device Status	This option displays the device's status as Online/Offline.
GUID	This option displays the Global Unique Identifier(GUID) of the device.
CamLock Permission Checklist	Following are the permissions available on the CamLock Permission Checklist page: • Configure Runtime Permissions • Enable Background Location • Enable Accessibility settings • Enable Display Over Other Apps

	• Allow Modification of System Settings • Disable Multi-Users • Enable Location Services To know more about CamLock Permissions, see CamLock Permissions Checklist.
CamLock Properties	This option displays the status of the following CamLock properties: • CamLock Agent Uninstallation • Block Camera
About CamLock	This option displays the current version and the privacy policy of the CamLock Application.

CamLock Permission Checklist

The admins can enable/disable the permissions anytime in **CamLock**. The following options are available under **CamLock Permissions Checklist:**

- **Configure Runtime Permissions** - CamLock wants to access the runtime permissions like Camera, Location, and Storage. CamLock will not work until these permissions are enabled.

- **Enable Background Location** - CamLock requires location permission to be enabled all the time. Use this option to keep the location permission enabled all the time.

  Note: Configure Runtime Permissions and Enable Background Location will be available only on the devices running Android 10 and above.

- **Enable Accessibility Settings** - CamLock requires accessibility permission to prevent users from uninstalling CamLock Application on the device. Use this option to enable accessibility permission on the device.

- **Enable Display Over Other Apps** - CamLock requires display over other applications permission to show a lock screen over the camera when a user tries to access it. Use this option to enable the display over other apps permission on the device.

- **Allow Modification of System Settings** - CamLock requires this permission to access WiFi configuration of the device. Use this option to allow the CamLock to modify the system settings.

- **Disable Multi-Users** - CamLock requires this permission to restrict users from creating multi-users on the device. Use this option to allow CamLock to restrict multi-user creation.

- **Disable Secondary Space** - CamLock requires this permission to restrict user from creating the secondary space on the device. Use this option to disable the secondary space on the device.

Note: Disable Secondary Space will be available only on the Xiaomi devices and devices with secondary space.

- **Enable Location Service** - CamLock requires location service to be enabled on the device for the Geo Fence Job. Use this option to enable the location service on the device.

CamLock Properties

CamLock Properties allows users to restrict the access to device camera and restrict users from uninstalling the CamLock application on the device when an employee enters the premises.

To access the **CamLock Properties**, follow these steps:

1. Login to the **SureMDM web console.**

2. Select the device enrolled by the **CamLock** application.

3. On the **Things Info** panel, select the following options and click **Apply**.

   - Block Camera

   - CamLock Agent Uninstallation

   The **CamLock Properties** will be applied to the selected device.

4. Click **Save As Job** to save the selected properties as a job and apply it to a group of devices.

5. Enter the **Name** for the job and click **Save**.

   The newly created job will be listed in the **Jobs List** section.

Time Fence

Time Fence option creates a periodical fence for the CamLock devices to function in a specified way. Admins can restrict users from accessing the device camera when the user enters or exits the periodical fence.

Note: *Mobile Data/Wi-Fi should be enabled to create Time Fence.*

To create **CamLock Properties** for a particular time period, follow these steps:

1. Login to the **SureMDM web console**.

2. Select the device enrolled by the **CamLock** application.

3. Select the following options on the **Things Info** panel and click **Save As Job**.

   - Block Camera

   - CamLock Agent Uninstallation

4. Enter the **Name** for the job and click **Save**.

   The newly created job will be listed in the **Jobs List** section.

5. Navigate to the **Jobs** section.

6. Select the **Things Job** and click **Modify**.

7. Select the **Time Fence** option and click **Edit**.

8. Set the **Optional Time** as

   - Device Time

   - Console Time

9. **Select Fence** has two options:

   - Time Fence - Enter the **Start Time**, **End Time** and select the **Days**

   - Date Fence - Enter the **Start day, Start time** and **End day**, **End time**

10. Select a user from the following options, who will receive an alert when the device

    enters/exits the periodical fence:

- **Device -** Device user

- **MDM** - SureMDM admin

- **Email** - Recipient of the configured email address

11. Click **Save**.

The **Time Fence** with **CamLock** properties will be created.

12. Go back to the **Home** tab and select the CamLock device(s) or group(s)**.**

13. Click **Apply** to launch the **Apply Job/Profile To Device** prompt**.**

14. Select the job on the **Apply Job/Profile To Device** prompt and click **Apply.**

Geo-Fence

Geo Fence option creates a virtual fence around a geographical location. Admins can restrict users from accessing the device camera when the user enters or exits the geographical fence.

Note: *Mobile Data/Wi-Fi and GPS should be enabled to create Geo Fence.*

To create **CamLock Properties** for a particular location, follow these steps:

1. Login to **SureMDM web console**.

2. Select the device enrolled by the **CamLock** application.

3. Select the following options on the **Things Info** panel and click **Save As Job**.

- Block Camera

- CamLock Agent Uninstallation

4. Enter the **Name** for the job and click **Save**.

The newly created job will be listed in the **Jobs List** section.

5. Navigate to the **Jobs** section.

6. Select the **Things Job** and click **Modify**.

7. Select the **Geo Fence** option and click **Edit**.

8. In the **Geo Fence** screen, type the location in the **Search** box.

9. Click **Draw a Circle** (located on the right side of the map) icon.

10. Click and drag the circle at the desired location on the map. Once the location is

    marked, a prompt appears with **Radius, Lat** and **Lng** details.

11. Enter the **Geofence Name** and click **Save**.

    The newly created fence will be listed in the table.

12. Select a user from the following options, who will receive an alert when the device

    enters/exits the fenced area:

    Device - Device user

    MDM - SureMDM admin

    Email - Recipient of the configured email address

13. Click **Save**.

    The Geo Fence with CamLock properties will be created.

14. Go back to the **Home** tab and select the CamLock device(s) or group(s)**.**

15. Click **Apply** to launch the **Apply Job/Profile To Device** prompt**.**

16. Select the job on the **Apply Job/Profile To Device** prompt and click **Apply.**

CamLock Sentry

CamLock Sentry helps admins to create a QR code with **CamLock** properties. Admins can install the **CamLock Sentry** application on the master android device and place it on the entry/exit points of the premises. Employees/visitors can scan the QR code using the **CamLock** application to apply the **CamLock** properties on their device.

CamLock Sentry can be downloaded from the **Google Play Store**. Click the link below to download the **CamLock Sentry** application.

- Google Play Store

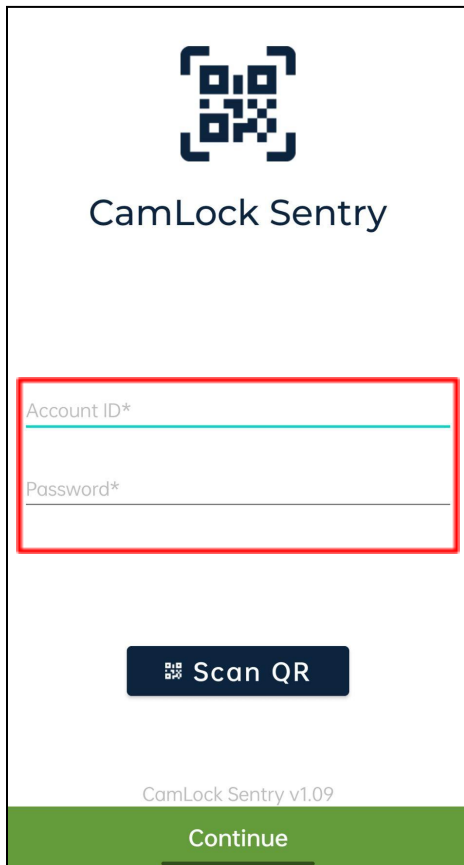## Enrollment and QR Code generation (CamLock Sentry)

The **CamLock Sentry** installed devices can be enrolled in SureMDM by using the following enrollment methods:

- Manual Enrollment
- Scan QR Code Enrollment

Manual Enrollment (CamLock Sentry)

To enroll the **CamLock** installed Android devices in the **SureMDM web console**, follow the below steps:

1. Launch the **CamLock Sentry** application on the device.

2. On the **CamLock Sentry home screen**, enter the **Account ID, Password** and tap **Continue**.

3. Enter the **Device Name** on the next page and tap **Continue**.

    A QR code with CamLock properties (Disabled) will appear on the screen.

To enable the CamLock properties, follow the below steps:

1. Navigate to the **SureMDM web console.**

2. Select the CamLock Sentry device on the device grid.

3. On the **Device Info** panel, select the following properties and click **Apply**.

    -   Block Camera

    -   CamLock Agent Uninstallation

The **CamLock Properties** will be enabled on the CamLock Sentry device. Employees can scan the QR code to apply the CamLock properties on their devices.
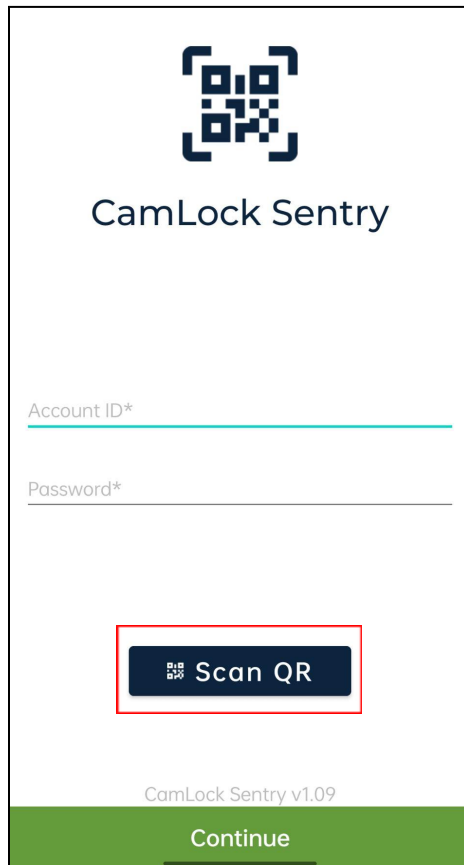
Scan QR Enrollment (CamLock Sentry)

Scanning QR Code is an alternate method to enroll the CamLock Sentry devices into the **SureMDM** account.

To enroll a new device using a QR code enrollment, follow the below steps:

1. Login to the **SureMDM Web Console**.

2. Navigate to the **Enrollment** > **QR Code Enrollment** > **List View > Create QR Code**.

3. On the **Setup QR Code for Enrollment** prompt, under the **Enrollment Type** tab,

   a. Enter the **Name** of the QR Code.

   b. Select the platform as **Things.**

   c. Select the enrollment type as **CamLock Sentry** and click **Next**.

4. Under the **Configure Options** tab,

   a. Enable/Disable the following CamLock Properties:

      ● Block Camera

      ● CamLock Agent Uninstallation

   b. Enter the time(in seconds) in the **Refresh** text field.

5. Under the **Save QR Code** tab, click **Save**.

   The newly created QR Code will be listed under the **QR Code Enrollment** section.

6. Launch the **CamLock Sentry** application on the device.

7. Tap **Scan QR** and scan the QR Code displayed on the **SureMDM web console.**

8. Enter the **Device Name** on the next page and tap **Continue**.

A QR code with **CamLock** properties will appear on the screen. Employees can scan the QR

code to apply the **CamLock** properties on their device.

 Note: *Admins can check the status of **CamLock** properties by tapping on the **Properties** option.*