
Onboard Recording (SD card) with Smart View for video devices

Feature requirements

The following are required for Onboard Recording (SD card) with Smart View for video devices:

Service package that supports Onboard Recording

- The following supports Onboard Recording for a maximum of two cameras:
 - *Pro Video with Analytics 3000 with Onboard Recording with Smart View*
- The following supports Onboard Recording for all cameras:
 - *Any Commercial Video service package with Onboard Recording with Smart View*
 - *Premium Video*

Compatible cameras

- ADC-V515 on firmware version 0.0.5.096+
- ADC-V523/523X on firmware version 0.6.1.151+
- ADC-V723/723X on firmware version 0.6.1.151+
- ADC-V724/724X
- ADC-VC727P
- ADC-VC827P
- ADC-VC847PF
- ADC-VC838PF
- ADC-VC728PF
- ADC-V729/V729AC/VC729P

Note: The firmware for the camera is updated automatically when an Onboard Recording schedule is created for it.

High-quality microSD card designed for surveillance

- Maximum of 512GB storage
- Supported microSD cards:
 - Western Digital Purple microSD cards (64GB, 128GB, 256GB, and 512GB cards are available to order from the Partner Portal)

- Micron Industrial Memory cards
- Samsung Pro Endurance (128GB and 256GB)
- SanDisk High Endurance
- Transcend 460T (64GB, 128GB, and 256GB)

Note: For information about the amount of Onboard Recording footage that can be stored on a microSD card, see [How much Onboard Recording footage can be stored on a microSD card?](#).

Onboard Recording Schedule created

An Onboard Recording Schedule must be created for the camera in order for it to start recording. For more information, see [Configure Onboard Recording](#).

Onboard Recording features

Multiple viewing options	View recorded video on the local network (i.e., the same network as the camera) or remotely using a computer, smartphone, or tablet.
Activity timeline	System events, such as Video Analytic-triggered clips, are noted in the playback timeline on the customer website.
Rolling recordings	The oldest video content on the card is automatically deleted to make room for new recordings.
Data encryption	Recorded video is encrypted and can only be viewed when the SD card is in the camera that recorded the video. When a brand new Onboard Recording rule is created for a camera, the camera formats the micro SD card. This deletes all data stored on the card including any video recordings from a camera that may have been previously used with the card.

Localized recordings

Each micro SD card records the video footage from the camera it is inserted into.

The card can be removed from a camera and placed back in that same camera at a later date. The original data will be retained until the card is full and the oldest data is deleted to make room for the new recordings provided the card does not have data from other devices after being removed from the camera.

Audio recording and playback for 24/7 Onboard recording

With compatible Alarm.com cameras, audio recording is included in playback as part of their 24/7 Onboard Recording video system. For more information about 24/7 audio and playback included in Onboard Recording, see [Audio recording and playback for 24/7 Onboard Recording](#).

Configure Onboard Recording

SD card slot locations

Important: Verify the camera is upgraded to the latest firmware.

Expand all

ADC-V515: ▾

The SD card slot is located on the bottom side of the camera near the QR code and MAC address. Make sure to insert the SD card into the slot until it clicks.

For more information about the ADC-V515 SD card slot location, see [1080p Indoor Wi-Fi Camera \(ADC-V515\) - Installation Guide](#).

ADC-V523/523X: ▾

1. Pull open the rubber tab on the bottom side of the camera near the QR code and MAC address.
2. Insert the SD card into the slot until it clicks.
3. Replace the rubber cover.

For more information about the ADC-V523/523X SD card location, see [1080p Indoor Wi-Fi Camera \(ADC-V523/523X\) -](#)

[Quick Start Guide.](#)

ADC-V723/723X: ∨

1. Remove the 2 screws on either side of the door found on the bottom face of the camera near the QR code and MAC address.
2. Carefully lift and rotate the door to reveal the SD card slot.
3. Insert the micro SD card until it clicks.
4. Replace the door and use the 2 screws to screw it firmly into place.

For more information about the ADC-V723/723X SD card slot location, see [1080p Outdoor Wi-Fi Camera \(ADC-V723/723X\) - Quick Start Guide.](#)

ADC-V724/724X:

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1. Pull open the SD card door found on the bottom face of the camera to reveal the SD card slot located next to the speaker and WPS/Reset button.
2. Insert the micro SD card until it clicks.
3. Replace the SD card door and verify it is securely in place.

For more information about the ADC-V724/724X SD card slot location, see [1080p Outdoor Wi-Fi Camera with Two-Way Audio \(ADC-V724/724X\) - Installation Guide.](#)

ADC-VC727P:

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1. Remove the 4 screws on the corners of the door found on the bottom face of the camera near the QR code and MAC address.
2. Carefully lift the door to reveal the SD card slot next to the reset button.
3. Insert the micro SD card until it clicks.
4. Replace the door and use the 4 screws to screw it firmly into place.

For more information about the ADC-VC727P SD card slot location, see [1080p Mini-Bullet Camera \(ADC-VC727P\) - Installation Guide.](#)

ADC-VC827P: ^

The SD card slot is located under the camera cowl and the *microSD* label. For more information about the ADC-VC827P SD card slot location, see [1080p Indoor/Outdoor Dome Camera \(ADC-VC827P\).](#)

ADC-VC728PF: ^

1. Remove the 4 screws on the corners of the door found on the bottom face of the camera, near the QR code and MAC address.
2. Carefully lift the door to reveal the SD card slot next to the reset button.
3. Insert the micro SD card until it clicks.
4. Replace the door and use the 4 screws to screw it firmly into place.

For information about the ADC-VC728PF SD card slot location, see [Varifocal Bullet Camera \(ADC-VC728PF\) - Installation Guide](#).

ADC-VC838PF:

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1. Remove the 2 screws on either side of the door found on the side of the camera.
2. Carefully lift the door to reveal the SD card slot next to the reset button.
3. Insert the micro SD card until it clicks.
4. Replace the door and use the 2 screws to screw it firmly into place.

For more information about the ADC-VC838PF SD card slot location, see [Varifocal Turret Camera \(ADC-VC838PF\) - Installation Guide](#).

ADC-VC847PF:

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The SD card slot is located under the camera cowl and *microSD* label. For more information about the ADC-VC847PF SD card slot location, see [1080P Indoor/Outdoor Varifocal Dome Camera \(ADC-VC847PF\) - Installation Guide](#).

Create an Onboard Recording rule

Note: This rule may automatically be created during camera installation if an SD card is detected in the camera.

To create an Onboard Recording rule using the MobileTech app: ^

1. Verify that the SD card is inserted into the camera.
2. Log into the MobileTech app.
3. Select the customer account.
4. Tap **Equipment**.
5. Tap the desired camera.
6. Tap **Configure Video Device**.
7. Tap **Set up SD/SVR Recording Schedules**.

8. Tap **Run Panel Communications Test** or **Login As User With Access**. Follow the on-screen instructions to log into the customer app. For more information about Login with Access, see [Using Login with Access](#).
9. Tap **Video**.
10. Tap **⚙**.
11. Tap **Recording Rules**.
12. Tap **Local**.
13. Tap **Add**.
14. Tap **Onboard**.
15. Select the desired camera using the *Record from this camera* dropdown menu.
16. Select the desired recording quality using the *Recording Quality* slider.
17. Select the desired timeframe for this Onboard Recording rule to record.
18. Tap **Save**.

To create an Onboard Recording rule using the customer website: ^

1. Verify that the SD card is inserted into the camera.
2. Log into the customer website.
3. Click **Video**.
4. Click **Recording Rules**.
5. Click **Local Recordings**.
6. Click **Add New Schedule**.
7. Click **Onboard**.
8. Using the *Record from this camera* dropdown menu, select the desired device.
9. Using the *Recording quality* slider, select the desired quality.
10. In *Time Frame*, click to select either **At all times** or **Only during the following times**.
 - If **Only during the following times** is selected:
 - a. Click to select the desired days to record.
 - b. Using the *Starting at* and *Ending at* dropdown menus, select the time period to record in hours.
11. For additional configuration options, click to expand **Advanced Options**.
 - To limit the number of days that recordings are kept:
 - a. Click the *Retention Time* toggle switch to enable a limit.
 - b. Using the dropdown menu, select the desired number of days to limit the recordings to.
12. Click **Save**.

To create an Onboard Recording rule using the customer app: ^

1. Verify that the SD card is inserted into the camera.

2. Log into the customer app.
3. Tap **Video**.
4. Tap .
5. Tap **Recording Rules**.
6. Tap **Local**.
7. Tap **Add**.
8. Tap **Onboard** if there are multiple options to choose from.
9. Using the *Record from this camera* dropdown menu, select the desired device.
10. Using the *Recording quality* slider, select the desired quality.
11. In *Time Frame*, click to select either **At all times** or **Only during the following times**.
 - If **Only during the following times** is selected:
 - a. Tap to select the desired days to record.
 - b. Using the *Starting at* and *Ending at* dropdown menus, select the time period to record in hours.
12. For additional configuration options, click to expand **Advanced Options**.
 - To limit the number of days that recordings are kept:
 - a. Tap the *Retention Time* toggle switch to enable a limit.
 - b. Using the dropdown menu, select the desired number of days to limit the recordings to.
13. Tap **Save**.

Automatically created Onboard Recording schedules

Onboard Recording schedules will be automatically created if the camera was installed within the last 12 hours and has a new SD card inserted. When the 24/7 Onboard Recording schedule is created, the primary account holder will be notified by email.

If the schedule is not created on the first attempt, make sure to:

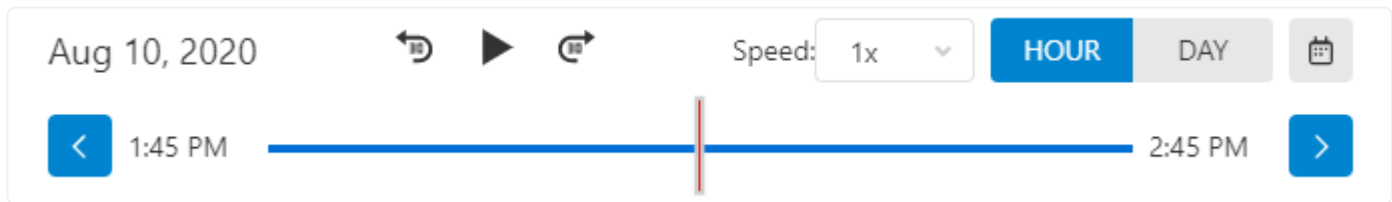
1. Verify the SD card is a supported model.
2. Verify the SD card is brand new.
3. Remove and reinsert the card within 12 hours of the camera installation to reinitiate the process.

Note: If the Onboard Recording schedule is not created automatically after these steps, you must manually create the rule.

View SD card recorded video

For a detailed list of all available Smart View timeline features, see [View onboard recordings from a camera using Smart View](#).

To view Smart View using the customer website: ^



1. Log into the customer website.
2. Click **Video**.
3. Click **Onboard Timeline**.
4. Using the video device dropdown menu, select the desired device to play back.
5. Click ☉ to stream the device's recorded video.

To view Smart View using the customer app: ^

1. Log into the customer app.
2. Tap **Video**.
3. Tap **Live**.
4. Tap to select the desired camera.
5. Tap 📺 on the desired camera to view SVR/CSV/Onboard Recording footage.



View SD card information

To verify the SD card was properly inserted, the SD card information can be reviewed using the customer app and customer website.

To view SD card information using the customer website:

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1. Log into the customer website.
2. Click **Video**.
3. Click **Settings**.
4. Using the Video Device dropdown menu, select the desired device.
5. Click **SD Card Information**.

To view SD card information using the customer app:

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1. Log into the customer app.
2. Tap **Video**.
3. Tap .
4. Tap to select the desired device.
5. Tap **Video**.
6. Tap **SD Card Info**.
7. In *Status*, review the information to verify the SD card was inserted properly and the card was detected by the device.

Frequently asked questions

Can a single SD card record video from multiple devices? ∨

No. The SD card can only record video from the device inside of which it is currently installed.

Are there local network requirements for recording to an SD card like there are for the SVR? ∨

No. The SD card can record video as long as the video device is enrolled and operational.

Can video continue to record to an SD card through network disruptions? ∨

Yes. As long as the video device has power, it can record to an SD card through a network disruption.

Can the SD card continue to record while live view playback is being viewed? ▾

Yes. The SD Card continues to record video during live view playback. If the user attempts to view playback using the Onboard timeline, the account may need to be refreshed before the footage can become available.

Can the SD card continue to record while exporting footage? ▾

Yes. The SD Card continues to record while exporting footage.

Is audio recorded for cameras with Two-Way audio? ▾

Yes. For more information about recording audio, see [When does live or saved video contain audio?](#).

Can a camera use an Onboard and SVR Recording Schedule simultaneously? ^

Yes. A camera can record continuously to an Onboard Recording schedule and SVR recording schedule at the same time.

Is the microSD card automatically formatted when inserted into a compatible camera? ^

Yes. The microSD card is automatically formatted and encrypted when inserted into a compatible camera.

Do I need to create an Onboard Recording rule to begin recording 24/7? ^

No. A 24/7 Onboard Recording rule is automatically created upon successful installation and can be edited by the customer at any time.

If a microSD card is formatted to a camera, can it be used in a different one? ^

Yes, a microSD card can be used in a different camera, but would need to be reformatted. This would remove all of the recorded footage on the microSD card. The microSD card encryption keeps video recordings private, so the video footage can't be viewed on other devices once the card is removed from the camera.