

---

## Best Practices in Viewing MV Video

---

### Introduction

This article goes through some best practices in viewing video on MV cameras including how to use digital zoom, keyboard shortcuts, and jump between timestamps.

- [For more information on how to use the Video Walls, read this article.](#)

---

### Motion Search

Motion Search is a quick and excellent way to find and view video. [For information on how to use Motion Search, read this article.](#)

---

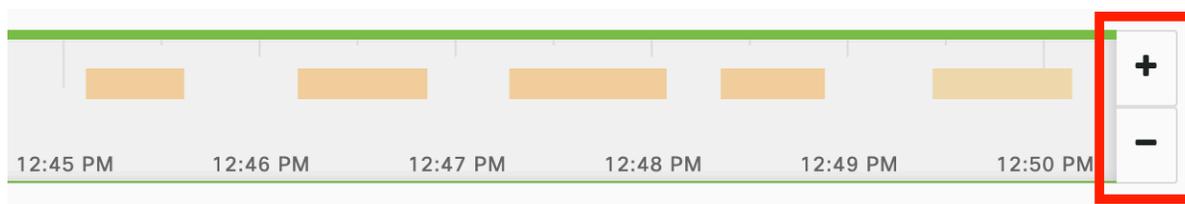
### Navigation

You can navigate to different timestamps in a few ways:

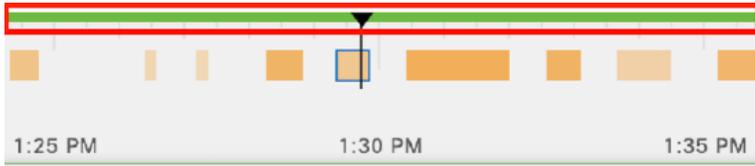
---

### Timeline Bar

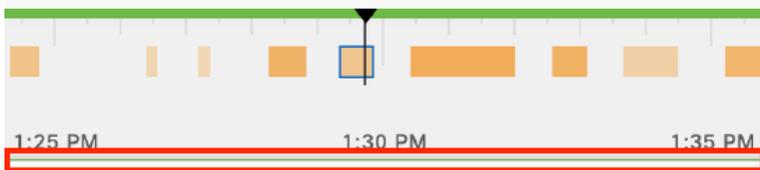
- The green bar corresponds to availability of video recording.
  - If a Cloud Archive license is applied on the camera, there will be an additional blue bar for cloud archive availability.
- Click anywhere on the timeline bar to navigate to that timestamp.
- You can navigate forward and backward in time by:
  - Clicking and dragging the timeline bar
  - Using a touchpad to scroll forward and backward while hovering over the timeline
  - Clicking the left or right arrows that appear when hovering at either end of the timeline
- You can expand or limit the time range on the timeline bar by:
  - Using the "+" or "-" buttons to the right of the timeline



- When the upper bar is green, it confirms that footage has been recorded by the camera for the corresponding period



- When the bottom thin bar is green, it confirms that the Timeline Bar has loaded all the relevant events for the corresponding period



### Motion Events on the Timeline Bar

When interacting with these motion event blocks on the timeline, we provide ease-of-navigation information in a number of ways.

#### Zoomed Out (>2hr on timeline): Motion Event Blocks

When zoomed out beyond a 2hr view for the timeline, the motion event blocks are shown for up to a range of two weeks. Zooming into a 2hr or less region on the timeline will make the motion event blocks interactive, as discussed in the following section.

## 5th Floor Coffee Bar - Seating SE

MV12W 0c:8d:db:00:87:2c

< Back to list < >

Video Analytics Network Location Event log Settings

Q Motion search

Show Objects

Share

Screenshot

Fullscreen



Sep 30 1:11:24 PM Now



### Zoomed In (<=2hr on timeline) : Interactive Motion Event Blocks with Motion Intensity

When you are zoomed in to see two hours or less on the timeline, you can see individual motion blocks (shown here in orange) that correspond to motion events. These are the same events that show up as Motion Search results. These motion event blocks are also colored with a gradient that represents the overall intensity of motion observed for that event.

On each motion bar, you can see:

- Event time - When did the event occur?
- Event duration - How long did it occur?
- Event intensity - How much of the frame did it cover?
- Motion Recap image summarizing the event ([Read more for: What is a Motion Recap image?](#))



Motion Recap images will only be shown for [second generation cameras](#) that **do not have** [Restricted Bandwidth Mode](#) enabled.

● 5th Floor Coffee Bar - Seating SE < Back to list >

MV12W 0c:8d:db:00:87:2c

Video Analytics Network Location Event log Settings

Q Motion search Show Objects Share Screenshot Fullscreen

10/3/19 12:44:01 PM PDT  
duration: 39.6 seconds  
intensity: 0.35

Oct 3 12:44:20 PM Now

12:35 PM 12:40 PM 12:44 PM 12:45 PM 12:50 PM

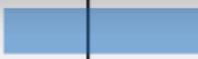
### Blue Bar indicating Current Highlighted Motion Event

Whenever you hover over a motion event block OR the associated Motion Recap event while doing Motion Search, both will be highlighted in blue to easily locate.

10/3/19 12:44:01 PM PDT

duration: 39.6 seconds

intensity: 0.35

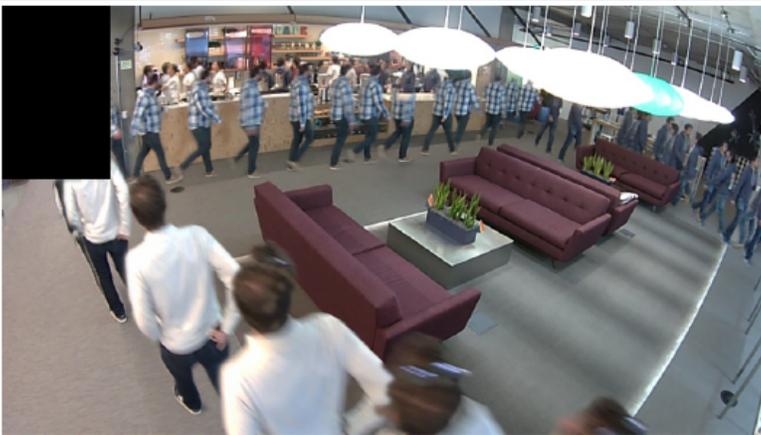


12:44 PM

3 PM

12:44 PM

12:45 PM



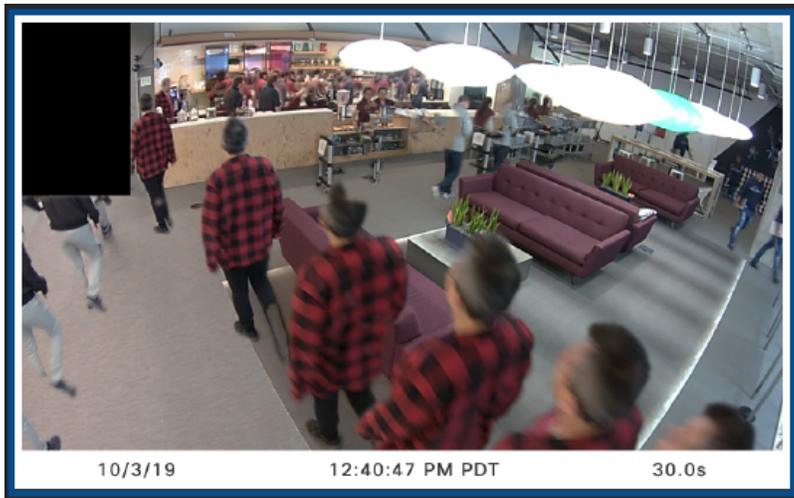
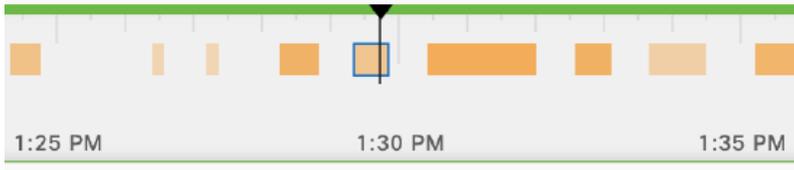
10/3/19

12:44:01 PM PDT

30.1s

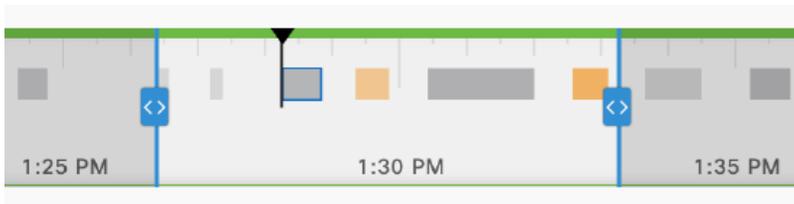
**Blue Bar Outline indicating Last Selected Motion Event**

Whenever you select a motion event block OR the associated Motion Recap event, both will be highlighted in dark blue to easily locate, even when playback continues beyond.



### Grey Bar indicating Motion Events that do not meet Motion Search Criteria

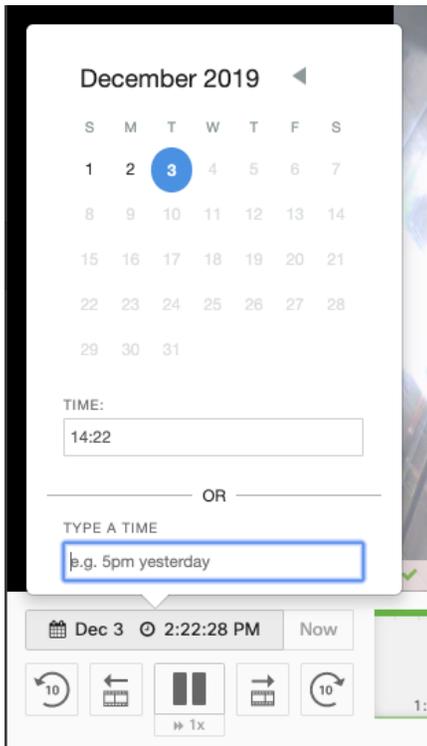
When you perform a motion search, all events that meet the search criteria (region of interest, sensitivity, event length, and filtering for events with people) will show as orange. However, any motion events that do not meet this criteria will show as grey motion event bars.



### Day Selector (with Natural Language Processing)

You can select the date in this calendar here, or type a time period using natural language. Examples of natural language are:

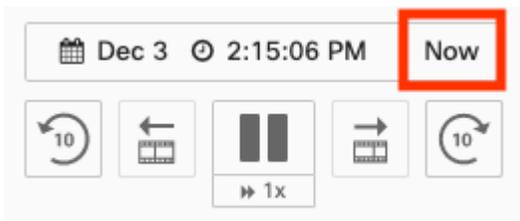
- "5pm yesterday"
- "2 hours ago"
- "last Friday"



---

## "Now" Button

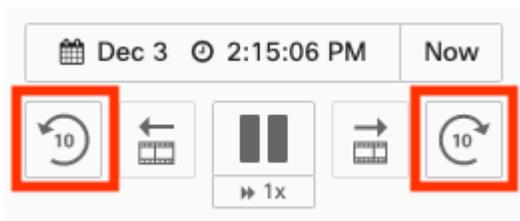
Quickly view the current timestamp by clicking on the "Now" button.



---

## Rewind / Forward Ten Seconds

Note that you can only use these buttons on stored video.



---

## Rewind / Forward One Frame

Similarly, you can only use these buttons on stored video. Additionally, you can only go forward or backward one frame when the video is paused.

---

---

## Increase Playback Speed

You can click on this button while in local streaming to increase playback speed by x0.5, x1, x2 or x4.



---

## Keyboard Shortcuts

- **Spacebar** - Toggles between play and pause
- **Left arrow key** - back one frame
- **Right arrow key** - forward one frame
- **Hold left arrow key** - play backwards
- **Hold right arrow key** - play forwards
- **1 key** - Play at 1 x playback speed
- **2 key** - Play at 2 x playback speed
- **3 key** - Play at 4 x playback speed

 **Note:** Poor upstream network performance and inefficient client-side system resources can lead to choppy playback of video when utilizing keyboard shortcuts

It is important to note that pressing 3 key will increase the playback speed but this is not officially supported. Using this speed may not provide fluid playback or continuous video display.

Playback speed increases will increase the bandwidth required per camera by the playback speed multiplier. For example a camera at 'Enhanced Quality' settings will go from 765kbps to 1530kbps. Importantly this also includes the video wall bandwidth usage and could lead to a bandwidth requirement of up to 18460kbps for a video wall of 12 cameras at 2x playback speed. Caution should be taken to prevent saturation of small WAN links.

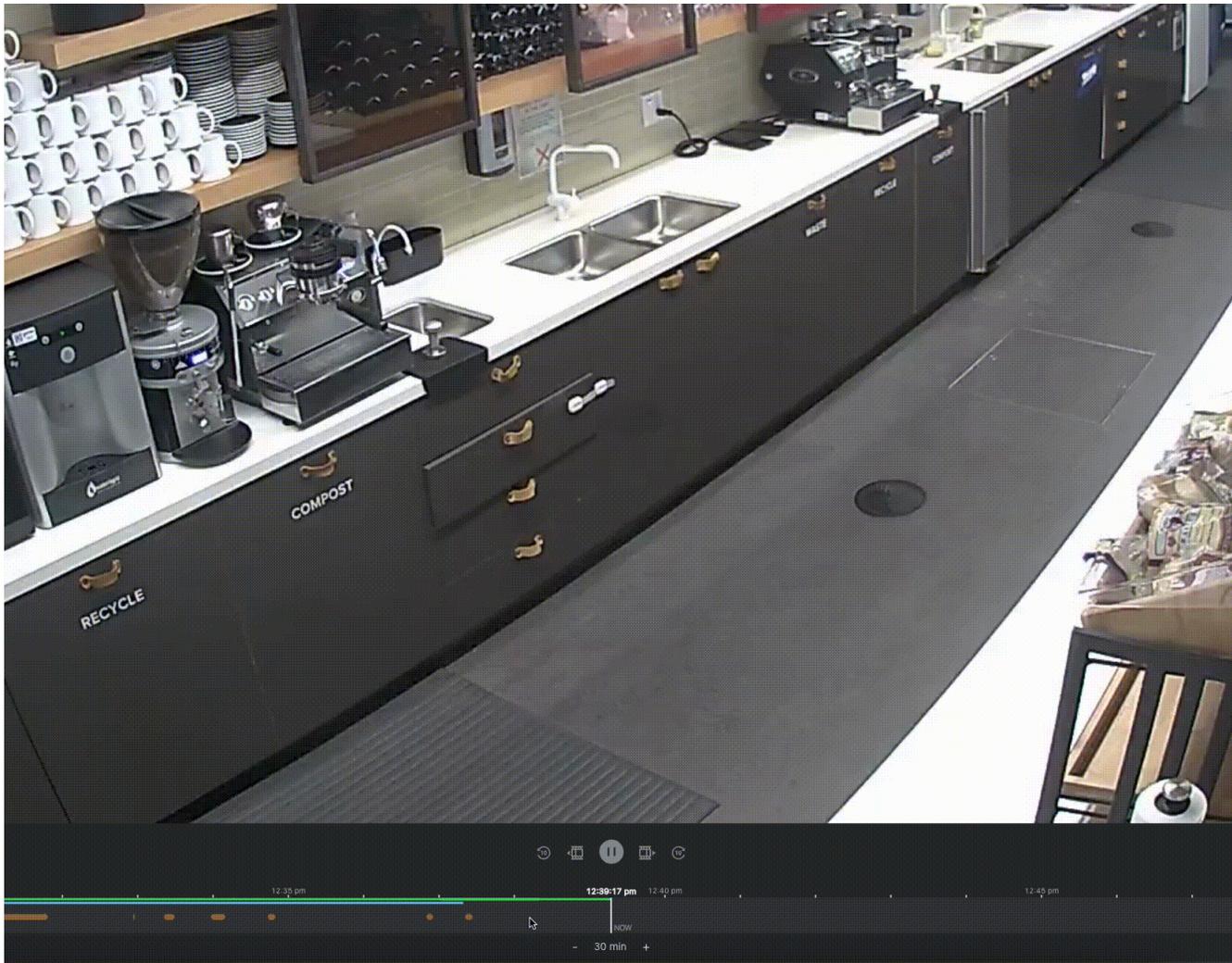
When increasing the playback speed this will decrease the number of simultaneous streams the camera can concurrently support. For example playing back video at 2 x playback would count as supporting two 1 x playback speed streams from the camera.

---

## Instant video access

Cameras running firmware version MV 5.2 or newer can now stream video a few seconds from current time. This is available in **single camera view on Vision Portal and Mobile App**

---



## Digital Zoom

You can use your scrollbar or mouse to zoom in and out of the video. When using the MV32 fisheye, zooming in will automatically switch the video to a dewarped view, after which you can zoom in up to 8x as in any MV.



For more information on digital pan-tilt-zoom (DPTZ) on fisheye cameras, refer to this article.

● 4th Floor - Deck Lunch Seating

< Back to list < > 6

Video Analytics Network Location Event log Settings

Q Motion search Show People

Share Screenshot Fullscreen



Mar 1 1:46:21 PM Now

10s 10s 1x 10s

