Raven's dashcam functionality includes an array of footage that stretches beyond that of traditional cameras. Raven has two cameras: an HD, road-facing camera, and a night vision-enabled cabin-facing camera. With these, there are six types of video that you can create and access:

1. **Live Streaming:** Access live streaming via web and mobile apps of road- and cabin-facing video. Once you've viewed the footage, it's saved to the cloud and available for download if needed.
2. **Event Cloud Video:** Videos are captured for all events and can be accessed remotely. Critical event videos like possible impact are automatically uploaded to the cloud, ready for review and download. Other events, like engine on and off, are marked on the device and available for upload to the cloud for review or download to your computer.
3. **Historic Video Streaming:** Stream continuous video of previously recorded footage remotely from the Raven device for footage not covered by Raven's events. Whether it be a client complaint or a traffic incident, Raven's historical streaming feature allows you to select a breadcrumb from the route, stream it, and save it to the cloud. You can also opt to download HD clips when needed.
4. **Enhanced Video Access (EVA):** EVA allows users to visually select and download a clip around a segment of their choosing during a trip. Videos of up to a minute can be retrieved.
5. **Continuous videos:** Raven stores hours of continuous video to its internal storage or external SD card. You can access all of it by connecting your Raven to a PC. If for any reason, you aren't able to access sufficient footage through the methods mentioned above, continuous footage on the device is available for you to access.
6. **Gesture-Triggered Short Videos:** Users can selectively enable these via the web app. If enabled, and the driver wants to flag an event that has occurred in the cabin or on the road, they can make a gesture to Raven, and it will be automatically downloaded to their phone for sharing.

Global Configurations for Raven's Video features

Within the Raven Web App, many configurable features allow Raven customers to customize their footage to suit their needs. These options are located within the Raven Connected Web App, within the settings tab underneath Global Configurations.

Note: Settings are applied fleet-wide. When you make adjustments to the Global Configurations, the changes will be applied to all of the Raven devices on your account.

1. **Audio:** Depending on your location's specific privacy laws or corporate policy surrounding the use of audio in vehicles, you have the option to enable or disable audio. If audio is enabled users have the additional option to enable historical and live streaming audio.
2. **Video:** In certain cases, a business or user may want to disable footage from the cabin, road, or both for a short period or at all times. Users have the option to enable or disable either or both of these options.
3. **Gestures:** Drivers with access to the Raven Connected mobile app can capture short video recordings given that gestures are enabled.

Video Quality

Raven's standard video recording uses High-Efficiency Video Coding (HEVC) or H.265 to compress footage. H.265 allows the camera more efficient compression without compromising video quality (in comparison to the legacy format H.264) to support the device's maximum amount of recorded footage. The Raven Web App enables users to select their tradeoff between quality and duration with four different recording options.

Fleet

Quality Setting	64 GB SD Card	256 GB SD Card
Legacy	7.00	30.00
HD Loop Record Time (hours)	15.00	60.00
Balanced Loop Record Time (hours)	22.00	90.00
Extended Loop Record Time (hours)	30.00	115.00

Consumer

Quality Setting	Internal Storage	64 GB SD Card	256 GB SD Card
Legacy	0.75	6.00	24.00
HD Loop Record Time (hours)	1.60	12.00	48.00
Balanced Loop Record Time (hours)	2.45	18.00	72.00
Extended Loop Record Time (hours)	3.00	24.00	94.00

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Technical Specifications

Road-Facing Camera

Field of view	140 degrees
Sensor	Sony STARVIS CMOS Sensor
Standard Recording Quality	1080p recorded video
Streaming Quality	720p live streaming video

Cabin-Facing Camera

Field of view	130 degrees
Sensor	OmniVision CMOS Sensor
Standard Recording Quality	1080p recorded video
Streaming Quality	720p live streaming video
Low Light	High-quality infrared night vision sensor