

## DRAFT SECURITY CAMERA SPECIFICATIONS

### **Images/information to be recorded:**

1. The system must record full facial images of passengers seated normally in the back and front seats and a full facial image of the driver. Cameras must capture images in the cabin and on the road in front of the taxi cab.
2. Minimum refresh rate: 30fps under normal driving conditions and for event-trigger images;
3. The capacity to record clear images under both day and night lighting conditions;
4. The head of a passenger should occupy at least 25% of the vertical height of the image;
5. The following information must be associated with each image:
  - a. Time
  - b. Date
  - c. Type of trigger
  - d. GPS location information
  - e. Serial number of the recording unit
  - f. Taxi vehicle number
6. The following events must trigger the automatic capture of images:
  - a. The opening of any side door, whether the ignition is on or off
  - b. Meter on and meter off
  - c. Interval images are taken while the vehicle ignition is on
  - d. Emergency call button or G-force sensor
7. Capacity to zoom in on images for greater detail
8. Watermark feature for recorded information

### **Information storage:**

1. Recorded information must be stored on a memory card or hard drive secured within a separate recording unit, or equivalent as determined by the SFMTA;
2. Images must be recorded in sequence until automatically overwritten in one continuous loop;
3. Memory must be partitioned for separate storage of panic button or G-force trigger event-trigger images;
4. Minimum of 64 GB or 5 to 7 days of continuous-loop video data storage on a standard secure digital card or hard drive;
5. Permit Holders are required to provide the SFPD or SFMTA, upon demand, with any data captured by the security camera in a vehicle.

### **Physical security:**

1. Camera must be installed in a place that is visible to passengers.
2. A back up copy of recorded information must be attached to the vehicle in a location outside of the passenger compartment and encased in an impact- and moisture-resistant sealed box and installed with tamper-proof hardware to prevent unauthorized access and/or tampering with the system power source, wiring, components or camera position.

**Privacy:**

1. Access to recorded information from the interior of the vehicle is restricted to law enforcement or SFMTA Taxi Services staff for the purpose of investigating a crime or complaint. all recorded information must be protected against unauthorized access, viewing, alteration, reproduction, disclosure, and against accidental loss or destruction. Taxi Services shall establish forms and procedures for accessing and securing recorded information, including (i) documenting any copies made in any format, the time and date such copies are made and the person responsible for the copies; (ii) documenting the chain of custody of all recorded information and copies; (iii) ensuring that all recorded information and copies are securely stored and destroyed following resolution of the criminal investigation or complaint.
2. The system must not provide live wireless access to recorded images.

**Functionality check:**

1. Visual display indicating to operator whether the system is operational, when it is capturing images, and when it is malfunctioning.
2. Camera must be capable of being easily tested by the company to check whether it is operational through a test point that cannot be used to record or download images.