

Lantana Security System

Version date: 5/12/2020

Scope:

Create and submit to the budget committee, an actionable plan for the purchase, installation and operation of a high definition camera security system.

Goals:

1. High definition (HD) 1080 or higher
2. Digital zoom for facial recognition and license plate reading
3. Capture all incoming automobiles and people that enter through the main entrance. Communication distance, from camera to clubhouse is about 30 yards
4. Capture license plate (rear of auto) and facial recognition of intruding vehicles and people.
5. Cover all three pool gates and the main pool area.
6. Cover the North and South end parking areas, often where bad behavior occurs. The communication distance from the end of the garages to the club house is about 180 yards.
7. DVR up to 1 week or more for all cameras
8. No monthly cost to operate
9. Highly resilient: anti-tamper, weather proof, reliability >99% availability before failure (hours, weeks?), etc
10. Day and Night video surveillance
11. Wireless video transmission (easy to install)
12. Phone or Ipad monitoring application
13. Push notifications for alarms
14. Good quality motion detection (few false alarms)
15. Reasonable cost, including installation
16. Others?

Approach:

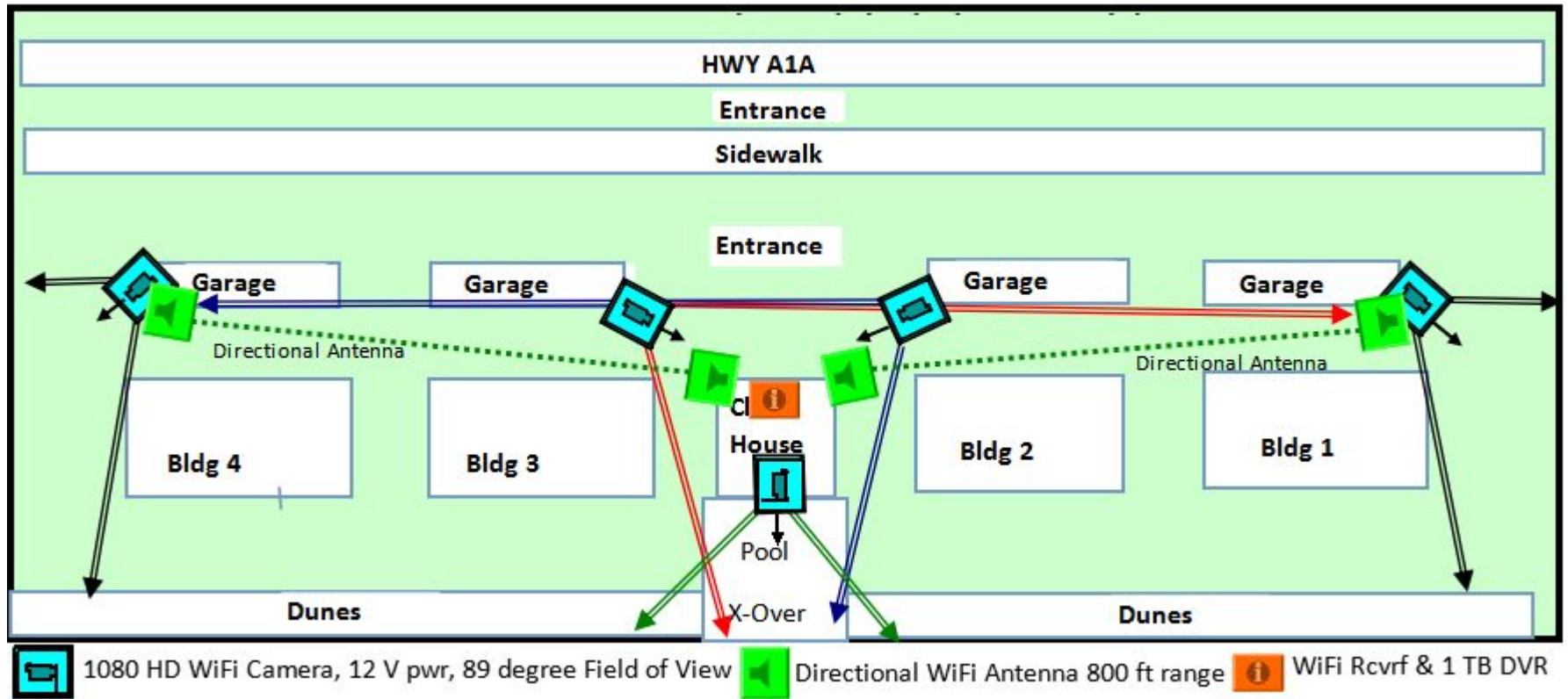
1. Form committee of Lantana Owners willing and able to down-select, possibly install, and operate , and maintain (troubleshoot) the system.
2. Establish feature, quality, and cost matrix for comparison
3. Define and map-out a camera location and installation plan, which includes:
 - a) Camera locations with good video coverage independent of weather, day/night, or any other potential coverage limitations/blocking
 - b) Camera locations with reasonable access to power
 - c) Camera and antenna locations the provide adequate WiFi range closure
 - d) Camera locations with few blind spots
 - e) Camera locations that mitigate against tampering, theft, damage, and weather events
 - f) DVR location that provides protection against tampering, theft, and damage.
 - g) Assess availability (or mean time between failure) of any system, especially

WiFi. Assess WiFi signal loss issues, if any. We don;t want to constantly reset the system.

4. Fill out the matrix with at least 3 competitive solutions
5. Down select
6. Purchase
7. Install
8. Test
9. Document any special items for future BoD members
10. Report out to the BoD and the Association at large.

Feature	Lorex	System 2	System 3	System 4
Image Quality	1080P			
Waterproof	IP66			
Temperature (F)	-4 to 122			
Frames/Sec	7			
Image range	500			
Night Range (total dark)	75			
DVR memory	1 TB			
Zoom	Digital			
WiFi range	<500			
Camera Power	12V DC			
Advanced Motion Detection Quality	2 Cameras			
Alert video duration	10 sec?			
Camera Tamper detection	?			
Directional Antenna	Y			
Directional Range	600			
Audio Recording	Y			
Speaker in Camera	N			
Application Quality	?			
Push notification/Alarm	Y			
Camera Field of View deg	118			
Camera Mounting	Y			
# Channels	8			
# Cameras	6			
Cost per added Camera				
Materials required:				
6 Camera System	899			
Directional Antennas (4x)	360			
Installation	?			
Monitor	?			
Receiver/Monitor Lock box	?			
Total Cost	1259			

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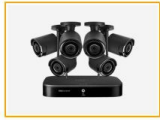
Lorex System Images

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Home) Store) Best Security Camera Deals)



1080p Full HD 8-Channel System with 6 Wireless Security Cameras with audio

LW1684UW



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SAVE \$600.00 (40%)

