



**Minneapolis**  
City of Lakes

*Business Information Services*

Date: Thursday, February 14<sup>th</sup>, 2008  
To: Craig Steiner  
Fr: David Roth (BIS PMO Manager)  
Re: City of Minneapolis Safety Camera overview

Here is a brief overview of Safety and Security Camera system operation:

The purpose of the Minneapolis Safety and Security Camera System is to view street activities in the covered areas. A+ Systems Group and Unisys (Camera Vendors) is utilizing Pan-Tilt-Zoom (PTZ) cameras which send video back to respective Minneapolis Police Precinct locations. This video is transmitted via any number of means; i.e., private wireless network, fiber optics, copper, DSL, WiFi, etc. Once this video reaches the police precinct, it is recorded on the server array. **This system is not currently being utilized to record audio.** Both live images from the streets and video which is stored on the server array are accessed via a Video Remote Access Stations (VRAS). Through a VRAS, an operator is able to monitor the cameras, control PTZ cameras (turn, tilt, zoom in and out) and review recorded images. The cameras currently being utilized by A+ Systems and Unisys for the Safety and Security Camera System have a 30x optical zoom. These cameras typically allow the operator to view objects such as faces and license plates in good detail up to approximately one city block away.

Location and Applications Description	Cameras	Camera Type	Software	Existing	Managed by	Network
Precinct 1st Safe Zone cameras (downtown)		American Dynamics 31 Speed Dome Ultra VII	Verint	Existing	Unisys	City
Cedar Riverside Greenway monitored at the 3rd Crime Lab	Monitored at the 1st precinct Check with Traffic on ownership - 1st precinct cameras feed data back to pc at City hall. 13	American Dynamics 10 Speed Dome Ultra VII	Verint	Existing	Unisys	City
Precinct 4th	42 DSL and 8 wifi connected cameras feeding through the USIW network back to the 4th precinct. Future connection between City and 4th planned for routing of data through City.	Panasonic 50 WV964/Analog	Petards	Existing Existing - Existing 42 DSL and 8 WIFI camera system, 50 cameras, A+ managed- cameras, USIW- connectivity. Existing point to point or point to multipoint camera system, A+ managed (includes cameras and Shotspotter	A+/USIW	USIW
Precinct 3rd Shotspotter Integration with cameras	Standalone server in a wireless network Integrated at the 3 and 4th Precinct with the Camera systems and Mecc to feed to 2nd precinct. integrate with Shotspotter St. Paul, Uof M, Metro Transit, MNDot, Downtown Precincts. (Currently in the works - MNDot feeds to U of M) Integrate other systems required for Port Authority such as license recognition, Mobile Video, Reverse 911, GIS products, Mobile Video Command Vehicle. (Install phase 1 by Summer 2008 Connect remaining precincts to pcs (3rd and 4th)	Panasonic 18 WV964/Analog	Petards	Existing/Future Shotspotter	A+ Shotspotter	A+ Standa Multi
Precinct 2nd Crime Lab		70 na	na	Future Future	TBD TBD	TBD

# Minneapolis: 1st Precinct Camera/Hub Locations

Camera Number	Location	Camera Location
1	Washington Ave./1st Ave.	NE Pole
2	3rd Street/1st Ave.	NE Pole
3	4th Street/1st Ave.	Wyman
4	5th Street/1st Ave.	SE Pole
5	6th Street/1st Ave.	SW Pole
6	7th Street/1st Ave.	NE Pole
7	8th Street/1st Ave.	NE Pole
8	10th Street/1st Ave.	SE Pole
9	4th Street/Hennepin Ave.	NW Pole
10	5th Street/Hennepin Ave.	SW Pole
11	6th Street/Hennepin Ave.	NW Pole
12	7th Street/Hennepin Ave.	SW Pole
13	8th Street/Hennepin Ave.	SW Pole
14	9th Street/Hennepin Ave.	SE Pole
15	10th Street/Hennepin Ave.	SW Pole
16	12th Street/Hennepin Ave.	NE Pole
17	8th Street/Lasalle Ave.	N. Side of 8th St.
18	9th Street/Lasalle Ave.	SE Pole
19	10th Street/Harmon Place	SE Pole
20	12th Street/Yale Place	N. Side of 12th St.
21	3rd Street/Nicollet Mall	NE Pole
22	4th Street/Nicollet Mall	Xcel
23/4a	5th Street N/2nd Ave N	NW Pole
24	6th Street/Nicollet Mall	City Center
25	7th Street/Nicollet Mall	City Center
26	8th Street/Nicollet Mall	NE Pole
27	9th Street/Nicollet Mall	NE Pole
29	11th Street/Nicollet Mall	NE Pole
30	12th Street/Nicollet Mall	NE Pole
41	Cedar/Riverside	SE Pole
42	4th Street/15th Avenue S	New Pole NW Corner
43	3rd Street/Cedar	SE Pole
44	Riverside/19th Avenue S	NW Pole
45	5th Street/Cedar	East Pole
46	6th Street/Cedar	SW Pole

**Minneapolis: 1st Precinct Camera/Hub Locations**

47	7th Street/Cedar	NE Pole	
48	6th Street/15th Ave S	West Side @ 6th	
49	East 15th Street / Portland Ave South	SW Pole	

## Minneapolis: 1st Precinct Camera/Hub Locations

Hub Number	Location
1	1st Precinct
2	Wyman
3	Hawthorne Ramp
4	Target Plaza North
5	Xcel Building
6	Retek Skyway (Nicollet Mall between 9th and 10th)
7	City Center- Skyway
8	City Center - Parking
9	Cedar Riverside -McKnight Building