

Networking Design

4 Mark Circle
Kincheloe, MI 49788

Estimate

Date	Estimate #
3/17/2025	T200078

Name / Address
Mackinac Island Police Department Mackinac Island, MI 49757

			Project
Description	Qty	Cost	Total
At Station			
16CH 4K/8MB NVR	1	225.00	225.00
6TB Surveillance HD	1	160.00	160.00
Labor - NVR setup and training	2	100.00	200.00
Any HDMI capable 4K monitor/TV and mouse, internet connection will be required. .			
Each Site w/Hard wired internet			
6MP Security PoE IP Camera, Outdoor UltraHD Dome Camera with Built-in Mic, 165ft IR Night Vision, Smart H-2-6-5, IP67 Weatherproof *	1	75.00	75.00
POE Injector	1	20.00	20.00
Labor - Wiring from sites internet to camera and camera install (complicated wire runs may take more than the 2 hours to run. 3rd hour is for mounting and adjusting camera) **	3	100.00	300.00
** would require a Cat5 run from existing site internet router/switch and power either at switch end or at camera end.			
Each Site w/Wireless internet			
6MP Security PoE IP Camera, Outdoor UltraHD Dome Camera with Built-in Mic, 165ft IR Night Vision, Smart H-2-6-5, IP67 Weatherproof ***	1	75.00	75.00
Mikrotik RouterBoard mAP RBmAP2nD micro Access Point wireless Dual-Chain	1	50.00	50.00
Power Supply	1	20.00	20.00
Labor - Camera Install and wireless setup. **	2	100.00	200.00
		Total	

Customer Signature

Phone #
(906) 440-6618

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<p>** would require descent wifi signal at camera mount. Would require power near camera location preferably inside building. Cat5 run between Mikrotik and camera.</p> <p>*** Cameras are 6MP which are just below 4K but have been proven to handle our weather. I have had issues with fogging and moisture with all of the 4K cameras I've tried outdoors.</p>			
Total			\$1,325.00

Phone #
(906) 440-6618

Customer Signature _____

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Brand SKitphrati

Screen Size 20 Inches

Resolution HD+

Aspect Ratio 16:9

Screen Surface Glossy

Description

About this item

- **Use for home and off office** - 20 inch monitor is an ideal all-around display for desktop, or laptop
- **RESPONSE TIME** - The 20 inch computer monitor with a 5 millisecond response time, All activity on your LED screen will seamlessly transition almost instantly.
- **User-Friendly Features** - The monitor have VESA 100mm Wall Mount compliant feature allows you to have the monitor mounted on the wall with the appropriate mounting accessory.
- **INCLUDED IN THE BOX** - LED Monitor, Power Cable, VGA Cable and HDMI Cable
- **SKitphrati Service**: We have provided lifetime customer service. If you have any problems using the monitor, please contact us

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Add to List

Re: Cameras

From: Andrew A. Rynberg <arynberg@networkingdesign.com>
To: mgruits <mgruits@mipd.org>
Date: 2025-03-17 13:26

 mipd_e_031725.pdf (~74 KB)

Sorry about that. Had this pretty much done and then got side tracked.

I looked at other options like cameras with cell capability but required monthly fees for service and cloud that would really add up in time.

What I have attached is a pretty standard IP based system giving you a recorder for up to 16 cameras at the station. It would use the internet to pull camera feeds from the cameras located at each site. It would require an agreement with each site for not only the camera mount location but the use of their internet. City could also purchase their own internet at each location. I usually let the customer provide the monitor and mouse so they can match it with the space they are willing to give up in their office. I can purchase if needed.

I will also give access to 5 current IP cameras on existing systems.

Chippewa Hotel - Park View East
Good Day Cafe - Street View West
Horn's Bar Street View East
Mustang/Yankee Alley from Main Street past Cindy's to Market
Mustang/Yankee Alley from Main Street towards Mustang/Aster

I am looking at adding more if time permits and location work out.

Thanks,
Andy Rynberg
Networking Design
(906) 440-8618

----- Original Message -----

From: "mgruits" <mgruits@mipd.org>
To: "Andrew A. Rynberg" <arynberg@networkingdesign.com>
Sent: Monday, March 17, 2025 9:39:44 AM
Subject: Re: Cameras

On 2025-03-15 15:53, Andrew A. Rynberg wrote: