

McKnight Crossings Church Security Camera Upgrade

September 2025

Subject: Security Camera Upgrade – Summary and Reimbursement Request

Elizabeth,

To improve the reliability and usability of our building security system, several enhancements were recently made to the video surveillance equipment at McKnight Crossings.

Our previous system relied on a mix of Wi-Fi (Wyze) and hard-wired (Amcrest) cameras, recorded through a home-built Blue Iris network video recorder (NVR). While cost-effective, this setup had limitations—particularly with real-time monitoring and ease of use.

With the availability of commercial-grade Ubiquiti video security equipment, we decided to upgrade to a more reliable and scalable solution. This new system integrates our existing cameras while adding improved coverage for the south parking lot, a key area for safety during services and events.

All equipment was purchased and installed in September 2025. Labor was provided at no cost. The total cost of this upgrade was **\$1,137.46**, which I personally paid upfront. I respectfully request reimbursement from the remaining balance of the **\$10,000 technology fund donation** provided by Betty Vaughn earlier this year.

A detailed expense summary is below:

Ubiquiti Equipment			
..	Switch Flex	USW-Flex	\$99.00
	NVR Instant	UNVR-Instant	\$199.00
	G6 PTZ Camera	UVC-G6-PTZ-W	\$399.00
	shipping		<u>\$15.70</u>
	TOTAL		\$712.70
Amazon			
	Western Digital 8TB HD		\$207.99
	Cat 6 Ethernet 10'		\$7.99
	Cat 6 Ethernet 200'		\$43.98
	Cat 6 Ethernet 200'		\$24.81
	PoE++ Switch		<u>\$139.99</u>
	TOTAL		\$424.76
TOTAL EXPENSE			\$1,137.46

This investment provides a robust, user-friendly, and scalable video surveillance system that will serve our congregation well for years to come.

Thank you for considering this request for reimbursement. Please let me know if additional documentation or receipts are needed.

Sincerely,

M. Bret Blackford

McKnight Crossings Church

Sept 2025: hard-wired parking lot camera for MX

From: M Bret Blackford (bret_blackford@yahoo.com)
To: bret_blackford@yahoo.com
Date: Thursday, September 25, 2025 at 01:29 PM CDT

MEMO to FILE

----- Forwarded Message -----

From: Robert Willeford <robertjrvilleford@att.net>
Subject: Re: hard-wired parking lot camera for MX

Cool! I think that's a great idea!!
Thanks

On Saturday, September 13, 2025, 1:53 PM, M Bret Blackford <bret_blackford@yahoo.com> wrote:

Hi Robert,

Since you've always had an interest in the safety of the McKnight Church, I wanted to share some updates on improvements Rick and I are planning for our video surveillance system (details are in the attached document).

Over the years, we've added a number of Wi-Fi and a few wired cameras around the building. These work reasonably well, but they primarily help with after-the-fact reviews and can be less effective for real-time monitoring because of network or Wi-Fi lag. We also use the cameras as a deterrent by making them visible, so people know the building is under surveillance.

To further strengthen our security, Rick and I propose adding a **new hard-wired, commercial-grade camera** for the south parking lot. This camera will:

- Capture **4K video**
- Include **AI capabilities** for facial recognition
- Read **license plates** for added security

Along with the camera, we'll be installing a **new NVDR (video recording and display system)**. This will not only improve real-time video monitoring but will also integrate with our existing hard-wired Amcrest cameras, making those more functional for **Sunday worship monitoring** and other events.

Rick and I will continue to evaluate safety needs and make recommendations as technology changes and funds allow. We also welcome any other suggestions you might have. Once everything is installed and running we'd be glad to give you a demo or walkthrough.

Thanks for your continued interest in keeping McKnight a safe place for everyone.
— Bret (and Rick Salley)

On Thursday, September 11, 2025 at 10:14:40 AM CDT, M Bret Blackford <bret_blackford@yahoo.com> wrote:

Rick,
I've been thinking about how best to get a reliable hard-wired video camera for the main South parking lot. Attached is what I have come up with. I think it should be fairly straight-forward to install but I will need your help to run the Cat ethernet cable from the building to the circle area in the south parking lot. No rush on getting this installed but let me know if you might have some time to help me with this. I have flexibility except for Tues/Wed/Thrs.
Appreciate your skill, knowledge, and willingness to help!
--- Bret

Proposal to Upgrade Security Cameras

Date: September 11, 2025

Background

The McKnight Crossings Church of Christ currently uses two surveillance systems: one Wi-Fi-based (Wyze cameras) and one hard-wired (Amcrest cameras and Blue-Iris NVR). This setup provides redundancy and cost savings but has limitations for real-time monitoring, especially in the south parking lot.

Current Issue

The south parking lot relies on a Wi-Fi camera, which has significant lag, making it unreliable for real-time monitoring during services and events.

Proposed Upgrade

We recommend upgrading the wired surveillance system to improve coverage and reliability.

<u>Item</u>	<u>Description</u>	<u>Cost</u>
200' Outdoor Rated Cat-6 Cable	GEARit RJ45 Cat-6 Ethernet Patch Cable, 10Gbps, Outdoor, UV Resistant, Direct Burial Product Link	\$43.98
Outdoor Rated POE Switch	Unifi Flex (USW-Flex 46W) Product Link	\$99.00
Exterior 4k PTZ Camera	G6 PTZ (UVG-G6-PTZ-W) Product Link	\$399.00
Network Video Recorder	UNVR-Instant (will also work with existing Amcrest cameras) Product Link	\$199.00
8TB Surveillance Hard Drive	Western Digital Purple Pro 8TB Product Link	\$229.99
Total Estimated Cost	(all labor expected to be volunteer at no cost)	\$970.97

Next Steps

Approval is requested to proceed with purchasing and installing the equipment.



Ubiquiti Inc.
store@ui.com

Invoice No.: US3343124
Invoice Date: 2025/09/11
Payment status: Paid

Billing Address	Shipping Address
M Bret Blackford 9805 Bradford CT Saint Louis, MO, 63119, US +1 314 402 7086	M Bret Blackford 9805 Bradford CT Saint Louis, MO, 63119, US +1 314 402 7086

NO.	PRODUCT DESCRIPTION	HS CODE	QTY	PRICE	TAX TOTAL	TOTAL
1	Switch Flex (Single Unit) USW-Flex	851762	1	\$99.00	\$5.67	\$99.00
2	Network Video Recorder Instant UNVR-Instant-US		1	\$199.00	\$11.40	\$199.00
3	Camera G6 PTZ (White) UVC-G6-PTZ-W	852589	1	\$399.00	\$22.85	\$399.00
Total Amount Before Tax						\$697.00
Shipping Amount Before Tax						\$15.70
Mo State Tax (4.225%)						\$30.11
Mo City Tax (1.5%)						\$10.71
Total Tax						\$40.82
Refund						-\$40.82
Total						\$712.70

Order Summary

Order placed September 11, 2025 | Order # 112-0803624-3481003

Ship to	Payment method	Order Summary	
M bret blackford 9805 BRADFORD CT SAINT LOUIS, MO 63119-1249 United States	Visa ending in 0473 View related transactions	Item(s) Subtotal:	\$207.99
		Shipping & Handling:	\$2.99
		Free Shipping:	-\$2.99
		Total before tax:	\$207.99
		Estimated tax to be collected:	\$16.54
		Grand Total:	\$224.53

Delivered September 12

Your package was left near the front door or porch.



Western Digital 8TB WD Purple Pro Surveillance Internal Hard Drive HDD - SATA 6 Gb/s, 256 MB Cache, 3.5" - WD8002PURP

Sold by: Amazon.com

Supplied by: Other

Return or replace items: Eligible through October 12, 2025

\$207.99



Order Summary

Order placed September 13, 2025 | Order # 112-7110393-2852255

Ship to	Payment method	Order Summary	
M bret blackford 9805 BRADFORD CT SAINT LOUIS, MO 63119-1249 United States	Visa ending in 0473 View related transactions	Item(s) Subtotal:	\$7.99
		Shipping & Handling:	\$0.00
		Total before tax:	\$7.99
		Estimated tax to be collected:	\$0.46
		Grand Total:	\$8.45

Delivered September 14

Your package was left near the front door or porch.



[Jadaol Cat 6 Ethernet Cable 10ft, Outdoor&Indoor, 10Gbps Support Cat8/7 Network, 24AWG Pure Copper Patch LAN Cord, Direct Burial Waterproof In-Ground UV Resistant for Router, Modem, Switch, POE, White](#)

Sold by: [Jadaol Technology](#)

Return or replace items: Eligible through October 14, 2025
\$7.99



Order Summary

Order placed September 12, 2025 | Order # 112-4852565-5402649

Ship to	Payment method	Order Summary	
M bret blackford 9805 BRADFORD CT SAINT LOUIS, MO 63119-1249 United States	Visa ending in 0473 View related transactions	Item(s) Subtotal:	\$58.97
		Shipping & Handling:	\$2.99
		Free Shipping:	-\$2.99
		Total before tax:	\$58.97
		Estimated tax to be collected:	\$3.38
		Grand Total:	\$62.35

Delivered September 12

Your package was left near the front door or porch.



[VATAN Men's Genuine Leather Casual Every Day Jeans Belts, Handmade Men Leather Belt with Gift Box, 36 \(Fit Waist 34\)](#)

Sold by: [VATAN US](#)

Return or replace items: Eligible through October 12, 2025
\$14.99

Delivered September 12

Your package was left near the front door or porch.



[GEARit RJ45 Cat-6 Ethernet Patch Cable, 10Gpbs Transfer Speed, Gold-Plated Connectors, Copper Clad, Outdoor, UV Resistant, Direct Burial, Waterproof, Durable, 200 Foot \(60.9 Meters\), Black](#)

Sold by: [PC Micro Store](#)

Return or replace items: Eligible through October 12, 2025
\$43.98



Order Summary

Order placed September 11, 2025 | Order # 112-4692476-5648266

Ship to	Payment method	Order Summary	
M bret blackford 9805 BRADFORD CT SAINT LOUIS, MO 63119-1249 United States	Visa ending in 0473 View related transactions	Item(s) Subtotal:	\$24.81
		Shipping & Handling:	\$0.00
		Total before tax:	\$24.81
		Estimated tax to be collected:	\$1.42
		Grand Total:	\$26.23

Delivered September 12

Your package was left near the front door or porch.



GEARit RJ45 Cat-6 Ethernet Patch Cable, 10Gpbs Transfer Speed, Gold-Plated Connectors, Copper Clad, Outdoor, UV Resistant, Direct Burial, Waterproof, Durable, 200 Foot (60.9 Meters), White

Sold by: [PC Micro Store](#)

Return or replace items: Eligible through October 12, 2025
\$24.81



Order Summary

Order placed September 13, 2025 | Order # 112-9767050-0423406

Ship to

M bret blackford
9805 BRADFORD CT
SAINT LOUIS, MO 63119-1249
United States

Payment method

Visa ending in 0473

[View related transactions](#)

Order Summary

Item(s) Subtotal:	\$139.99
Shipping & Handling:	\$0.00
Total before tax:	\$139.99
Estimated tax to be collected:	\$8.01
Grand Total:	\$148.00

Delivered September 15

Your package was left near the front door or porch.



[TP-Link TL-SG105PP-M2 - 5 Port 2.5 Gigabit Switch, Multi-Gigabit, 4 PoE++ Ports @123W, Fanless Metal Design, Plug & Play, PoE Auto Recovery, QoS & IGMP, Free Expert Help](#)

Sold by: Amazon.com

Supplied by: Other

Return or replace items: Eligible through October 15, 2025

\$139.99

