408 S OAK STREET PROPERTY SITE PLAN

VERSION 2 - DRAFTED: 09/15/21

ELKHORN VALLEY, LLC

1129 N WASHINGTON AVENUE LANSING, MICHIGAN 48906

PROPERTY OVERVIEW

Proposed Parking Layout Option 1

Land situated in the City of Buchanan, County of Berrien, State of Michigan, described as:

- Parcel 1: Lot 13, A.C. DAYS ADDITION, to the City of Buchanan, except MC Railroad.
 - Parcel Number 11-58-1500-0013-00-8
 Commonly known as: 402 S Oak St, Buchanan, MI 49107
- Parcel 2: LOTS 14, 15, and 16, A.C. DAYS
 ADDITION, and that Part of Section 35,
 Township 7 South, Range 18 West, City of
 Buchanan, described as commencing at the
 Northwest corner of Lot 13, SD addition;
 thence South to Southwest corner of Lot 16;
 thence West to McCoy's Creek; thence
 Northeasterly along Creek to point due West
 of beginning; thence East to beginning.
 - Parcel Number 11-58-1500-0014-00-9 Commonly known as: 404 S Oak St, Buchanan, MI 49107
- 408 Oak St, Buchanan, MI 49107
 - Total building square footage: 10, 668
 - Total property square footage: 54,450
 - PARKING (7 SPACES)
 - ENCLOSED TRASH
 - _
 - AC UNIT
 - ILLUMINATION PATTERN
 - SECURITY CAMERAS
 - SECURITY LIGHTING
 - SECURITY FENCING
 - PUBLIC SIDEWALK
 - MCCOY CREEK



PROPERTY OVERVIEW

Proposed Parking Layout Option 2

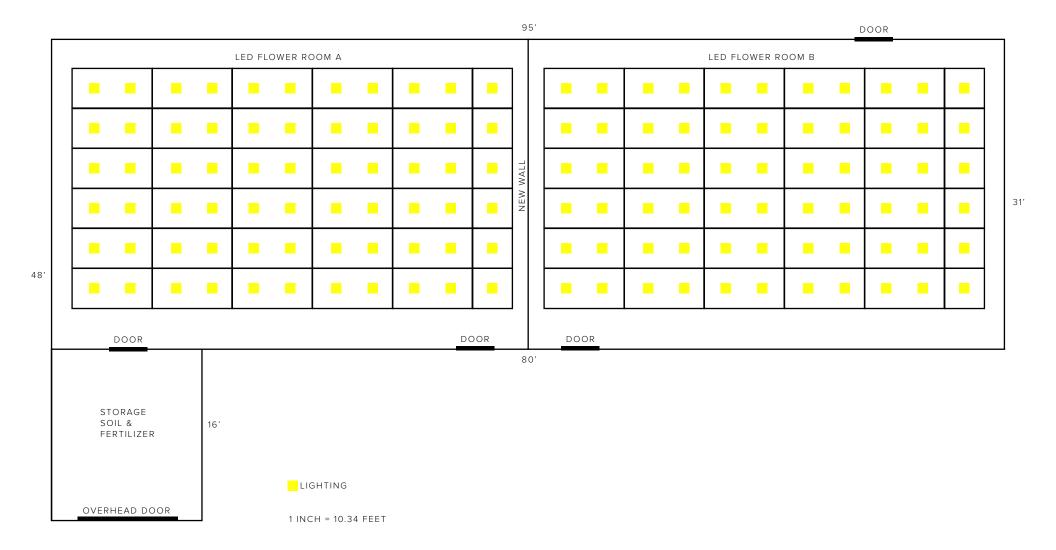
Land situated in the City of Buchanan, County of Berrien, State of Michigan, described as:

- Parcel 1: Lot 13, A.C. DAYS ADDITION, to the City of Buchanan, except MC Railroad.
 - Parcel Number 11-58-1500-0013-00-8
 Commonly known as: 402 S Oak St, Buchanan, MI 49107
- Parcel 2: LOTS 14, 15, and 16, A.C. DAYS
 ADDITION, and that Part of Section 35,
 Township 7 South, Range 18 West, City of
 Buchanan, described as commencing at the
 Northwest corner of Lot 13, SD addition;
 thence South to Southwest corner of Lot 16;
 thence West to McCoy's Creek; thence
 Northeasterly along Creek to point due West
 of beginning; thence East to beginning.
 - Parcel Number 11-58-1500-0014-00-9 Commonly known as: 404 S Oak St, Buchanan, MI 49107
- 408 Oak St, Buchanan, MI 49107
 - Total building square footage: 10, 668
 - Total property square footage: 54,450
 - PARKING (7 SPACES)
 - ENCLOSED TRASH
 - AC UNIT
 - ILLUMINATION PATTERN
 - SECURITY CAMERAS
 - SECURITY LIGHTING
 - SECURITY FENCING
 - PUBLIC SIDEWALK
 - MCCOY CREEK



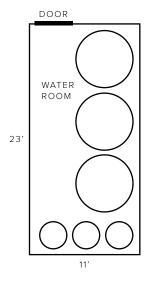
LARGE GREEN BUILDING

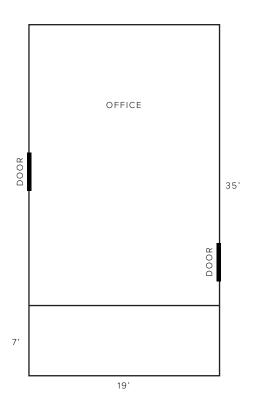
BUILDING HEIGHT: 12 FEET

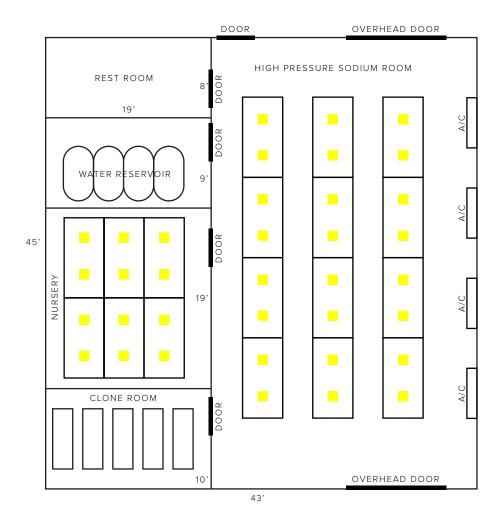


LARGE GREEN BUILDING

BUILDING HEIGHT: 12 FEET

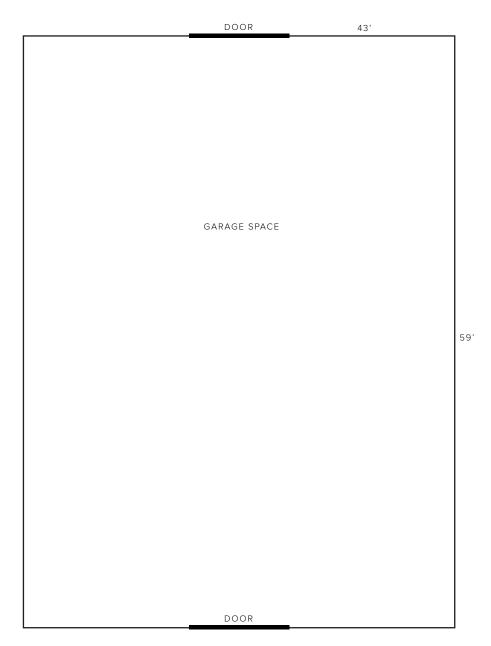






LIGHTING

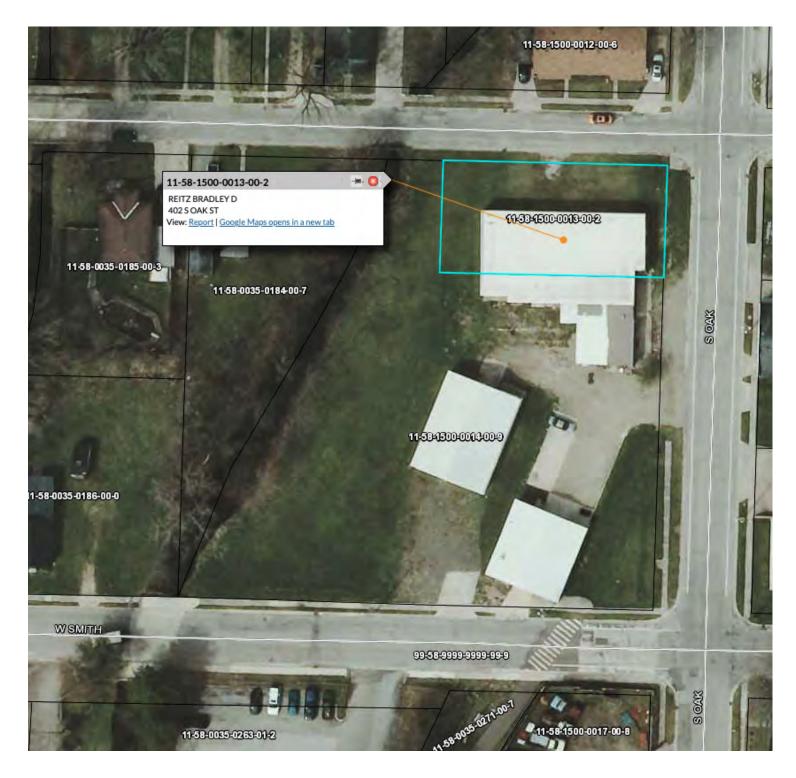
1 INCH = 10.34 FEET



1 INCH = 10.34 FEET

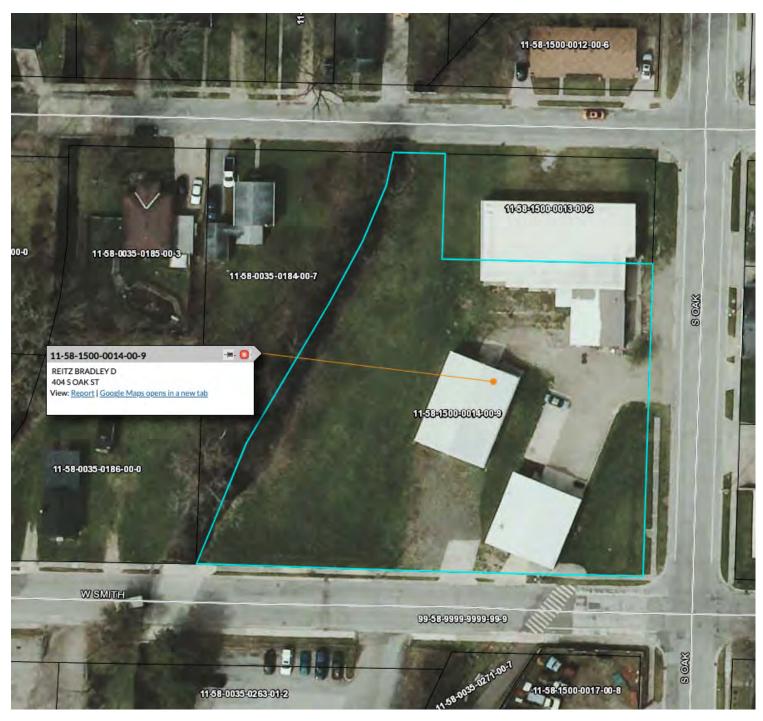
PARCEL 1

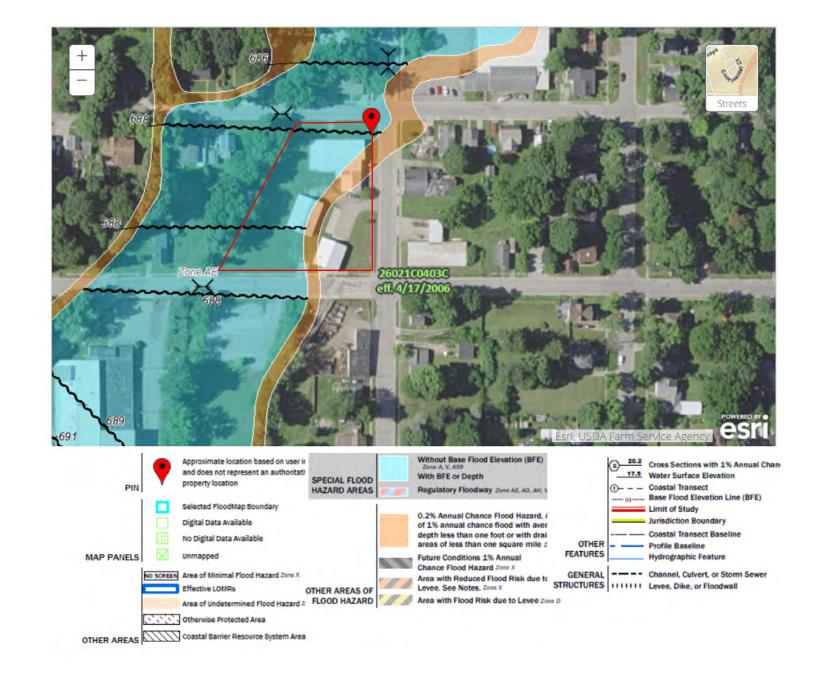
- Lot 13, A.C. DAYS ADDITION, to the City of Buchanan, except MC Railroad.
 - Parcel Number 11-58-1500-0013-00-8 Commonly known as: 402 S Oak St, Buchanan, MI 49107



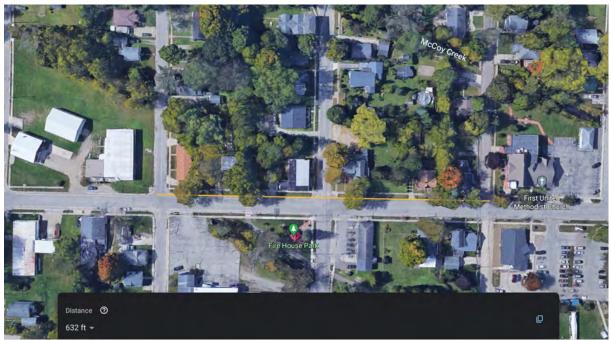
PARCEL 2

- LOTS 14, 15, and 16, A.C. DAYS ADDITION, and that Part of Section 35, Township 7 South, Range 18 West, City of Buchanan, described as commencing at the Northwest corner of Lot 13, SD addition; thence South to Southwest corner of Lot 16; thence West to McCoy's Creek; thence Northeasterly along Creek to point due West of beginning; thence East to beginning.
 - Parcel Number 11-58-1500-0014-00-9
 Commonly known as: 404 S Oak St, Buchanan, MI 49107





LOCATION AREA MAP



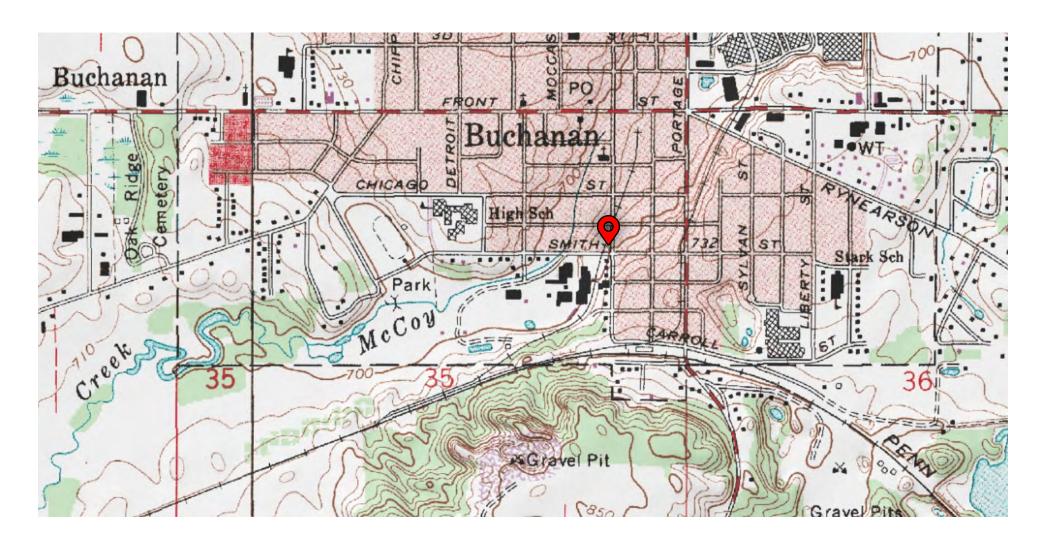
First United Methodist Church 132 S Oak Street, Buchanan, MI 49107

632 ft from property line



Buchanan High School 401 W Chicago Street, Buchanan, MI 49107

1,074 ft from property line



CURRENT CONDITION OF EXISTING STRUCTURE

INTERIOR







CURRENT CONDITION OF EXISTING STRUCTURE

EXTERIOR







SECURITY LIGHTING

All lighting is directionally adjustable 360 degrees.

- 2200LM Ultra Bright: Powered by premium LED beads and through professional filter lenses, the solar motion flood light generates up to 2200 lumens
 5000K bright light, providing a brighter solution in the market.
- High Charging Efficiency Solar Powered Security Light: For high charging
 efficiency, our solar security light is integrated with monocrystalline silicon
 solar panel, 22% conversion rate, and through repeated tests, 4 times higher
 charge efficiency than amorphous solar panel. Built-in 2400mAh large
 rechargeable batteries included.

 Anti-ultraviolet Material, More Durable: Made of high-strength plastic material, the solar motion light outdoor can prevent the damage of ultraviolet. Up to 50,000hrs lifespan. No main power or wiring required, it is easy to install this motion sensor outdoor light. IP65 waterproof, perfect for porch, back yard, front door, garage, driveway, walkway.

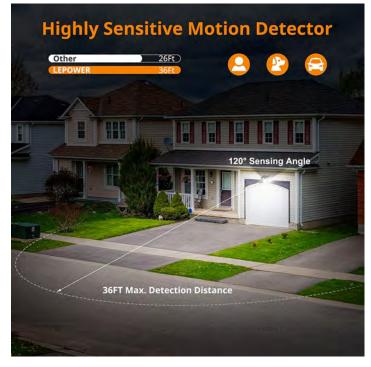
 2 Lighting Modes: Solar flood light has 2 lighting modes to keep your home safe and bright. [Auto Motion]: Light up 2200 lumens with motion at night, off without motion sensed. [Dim Light Sensor]: 40 lumens dim light through the night, fully lit 2200 lumens upon the solar motion light senses motion.



2 Lighting Modes

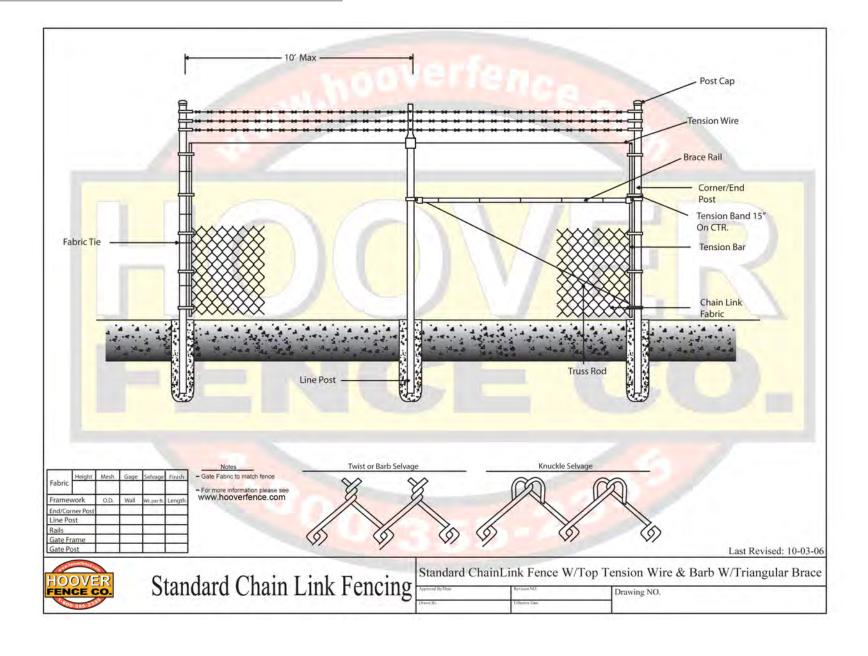




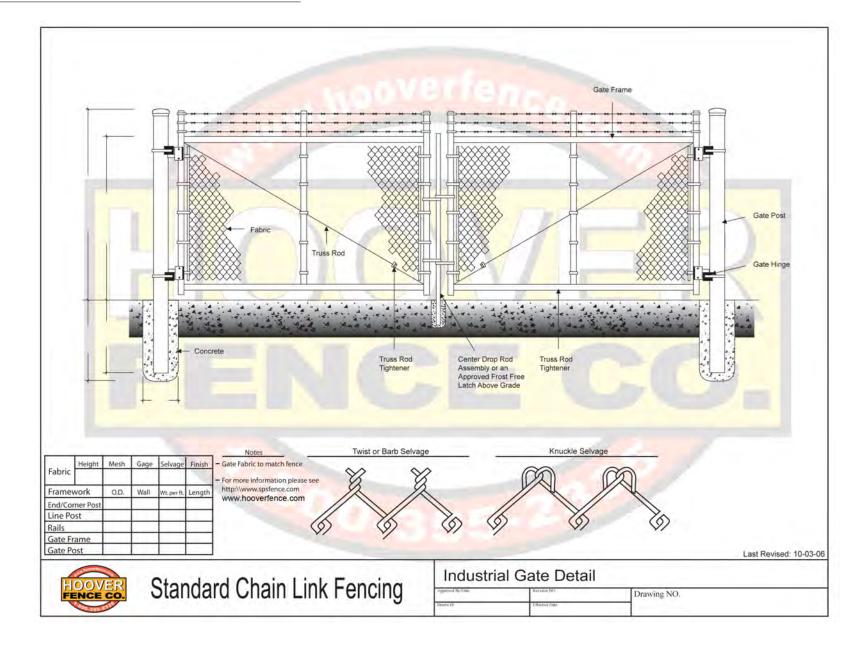




SECURITY FENCING



SECURITY GATES



PRIVACY FENCING

TOP LOCK





The Top Lock Slat provides an economical and attractive way to enhance any chain link fence.

Pexco is the largest manufacturer of Top Locking Slats, which are marketed under the PDS® brand name. With over 40 years of experience extruding these innovative, proprietary products, you are assured of the highest standards in qualityfrom the raw materials used in manufacturing to the finished product in your fence. This design utilizes a top locking mechanism located near the top of the slats to ensure a clean, straight edge, further enhancing its appearance.

Top Lock Slats are flat and tubular in shape, with circular, notched-out holes located near the top of the slat.

4, 5, 6, 7, 8, 10 & 12 feet. Special heights available upon request.

Slat Length

2" shorter than the overall height of fence.

Flexible Top Locking Channel 10 feet provided in each bag.

Wind Load & Privacy Factor Approximately 75%.



Colors



























Made in the USA



PRODUCT SPECIFICATIONS



Slat Type	Slat Width	Mesh Size	Wire Gauge	Slats Per Bag	Approx. Coverage Per Box
Top Lock 2"	13/32"	2"	8, 9 or 11	82	10 linear feet
Top Lock 21/4"	11/4"	21/4" or 23/8"	111/2 or 121/2	78	10 linear feet
Top Lock 1¾"	7/8"	134"	8, 9 or 11	100	10 linear feet
	7/8"	2"	6	100	10 linear feet

The Top Lock product is extruded from High Density Polyethylene (HDPE), color pigments and ultra violet (UV) inhibitors, specifically designed to retard the harmful effects of the sun and lengthen the life of the product.

Pexco PDS® HDPE Fence Products are resistant to: severe weather conditions, salt water, sand, road dirt, most acids, alcohol, alkaline, ammonia, petroleum distillates, and common environmental pollutants.

Pressure cleaning of surface contaminants is quickly accomplished with plain water.

Wind Load Disclaimer:

HDPE Technical Properties

Pexco will not be responsible for damage due to wind load conditions resulting from insufficient structural support.

Limited Warrenty

Property

Minimum Temp.

Maximum Temp.

Melt Idex

Density

Top Lock carries a 25-year, pro-rata warranty against breakage under normal conditions. Write Pexco for full warranty information.

Installation Instructions

There is no need to kneel down! Simply insert the slats vertically from top to bottom. keeping the locking holes on



Thread the flexible locking channel horizontally through the notched holes in the slats.



These holes are eliptical to ensure they always stay open for fast and easy threading.



PEXCO LLC

Tacoma, WA 98424 | Athol, MA 01331 800.822.SLAT (7528) 800.755.SLAT (7528)

VISIT US AT:

www.pexco.com/fence

EMAIL US AT:

fence.sales@pexco.com

Contact your local fence professional for more information about our complete line of enhancement products.











(.35) Optimum extrusion processing conditions for Fence Slats

(.945) Polyethylane ranges anywhere from .914 to .960 in density

(-70") Under no stress, HDPE remains flexible at this temperature

(180°) Under no stress, HDPE will not distort at this temperature

(3,700 psi) HDPE will not distort at lesser loads or impacts















PRIVACY FENCING/TRASH ENCLOSURE





SECURITY CAMERAS

Dahua HDCVI Kit: 16-Ch, 4K Penta-Brid DVR + 12 x 5MP Security Camera





4MP ePoE Starlight+ Network Eyeball Camera

True Wide Dynamic Range Fixed-lens Network Camera with Analytics+







WizMind Series devices offer the full complement of Dahua Analytics+ functions for comprehensive, human-oriented analytic solutions. WizMind Series products deliver perimeter protection, vehicle and crowd density statistics, video metadata, and advanced people counting with heat map functionality. WizMind is ideal for complex applications with demanding requirements that need advanced analytic capabilities.

System Overview

The Dahua 4 MP Starlight+ ePoE camera offers Analytics+ functions at the edge – performing complex real-time perimeter protection surveillance, people counting, and face capture. The Dahua Analytics+ algorithms significantly improve accuracy and reliability as compared to standard intelligent features. The camera is ideal for a host of diverse applications — Starlight+, True Wide Dynamic Range, and Smart IR technologies allow the camera to operate in any lighting condition and the IP67 rating makes the camera suitable for the harshest environments.

Functions

Perimeter Protection

Dahua Analytics+ includes Tripwire and Intrusion functions that offer custom tripwires based on object type for automation in limited access areas. Perimeter Protection requires less pixels to detect an object to deliver improved accuracy and decreased false alarms due to lights, weather, trees, or animals.

People Counting

The camera uses complex real-time people counting algorithms to deliver accurate flow statistics from two distinct people counting functions, Line Crossing and Regional. The line crossing function counts the number of people crossing a defined line, and the regional function counts the number of people in a distinct, user-defined area. People counting is ideal for measuring the number of customers entering or exiting a location and to monitor groups of people in a distinct location.

- 1/1.8-in. 4 MP Progressive-scan CMOS Sensor
- Triple-stream Encoding
- Smart H.265+ and Smart H.264+ Dual Codec
- 4 MP (2688 x 1520) at 30 fps, 2.8 mm Fixed Lens
- Enhanced Power and Data Transmission Distances (ePoE)
- Starlight+ Technology for Low-light Applications
- Analytics+ Functions People Counting, Perimeter Protection,
 Smart Motion Detection+, and Face Detection
- ArcticPro Series Camera Operational down to -40° C (-40° F)
- IP67 Ingress Protection
- Ultra Wide Dynamic Range (140 dB) and True Day/Night IR Cut Filter
- Maximum IR LED Distance 50 m (164.04 ft)
- Five-year Warranty*











Smart Motion Detection+

Smart Motion Detection+, a component of Dahua's Analytics+ technology, improves alarm accuracy and decreases the number of false alarms. The advanced SMD+ algorithm analyzes a scene for human or vehicle motion, while filtering out other motion due to trees, leaves, animals, weather, and triggers an alarm when detected. SMD+ also saves time when searching recorded video by filtering false alarms and allowing quick retrieval of an alarm due to a person or vehicle.

Enhanced Power over Ethernet (ePoE) Technology

Dahua's innovative ePoE technology offers a plug-and-play solution to transmit power and data over long distances via Ethernet or coaxial cables, reducing installation time and saving money. ePoE technology is a viable, cost-effective solution for extending transmission distances and for converting existing, coax-based analog systems into IP systems.

ArcticPro

The Dahua ArcticPro Series of extreme-environment cameras combine temperature-tolerant components with a waterproof enclosure to ensure flawless operation in temperatures as low as -40° C (-40° F) without the need for an internal heater. The lack of a heater reduces the camera's power consumption and saves operating costs. For applications that demand high-resolution video with advanced features in extremely cold environments, the Dahua ArcticPro Series offers a camera to satisfy the most demanding requirements.

Cybersecurity

Dahua network cameras are equipped with a series of key cybersecurity technologies including: security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage. These technologies improve the camera's ability to prevent malicious access and to protect data.

Environmental

Subjected to rigorous dust and water immersion tests and certified to the IP67 Ingress Protection rating makes it suitable for demanding outdoor applications.

Technical S	Technical Specification				White Balance		Auto, Natural, Street Lamp, Outdoor, Manual,		
Camera	nera			Gain Control		Regional Custom Auto, Manual, Gain Priority, Shutter Priority			
Image Sensor		1/1.8-in. 4 MP CMOS			Noise Reduction	on	3D DNR		
Effective Pixels		2688(H) x 1520(V)		Motion Detect		Off, On (4 Zones, Rectangular)			
RAM/ROM		512 MB/128 MB		Region of Inter		Off, On (4 Zones)			
Scanning Syste	m	Progressive			Advanced Feat		Smart IR, Defog		
Electronic Shut		Auto, Manual, 1/3 s to 1/100,000 s			Flip		0°, 90°, 180°, 270°		
Liceti onie snat	тег эреси	Color: 0.002 lu		000 3		Mirror		Off, On	
Minimum Illum	ination	0 lux at F1.6 (IF						Off, On (4 Areas, Rectangular)	
S/N Ratio		Greater than 5	0 dB			Privacy Maskir	ıg	OII, OII (4 Aleas, Nectangular)	
IR Distance		Up to 50 m (16	64.04 ft)			Audio			
IR On/Off Cont	rol	Auto, Manual				Compression		G.711a, G.711Mu, G.726, G.723	
IR LEDs		Two (2)				Network			
Lens						Ethernet		RJ-45 (10/100 Base-T)	
Lens Type		Fixed-focal						HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP,	
Mount Type		Board-in				Protocol		FTP, DHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS,	
Focal Length		2.8 mm						UPnP, NTP, ICMP, IGMP, 802.1x	
Maximum Ape	erture	F1.6			Interoperabilit	У	ONVIF Profile S and G, CGI, Milestone, Genetec, P2P		
Angle of View		Horizontal: 113° Vertical: 60°		Auto Register		Support			
Focus Control		Fixed		Streaming Met	thod	Unicast / Multicast			
Close Focus Dis	stance	1.30 m (4.27 ft)		Maximum Use	r Access	20 Users			
DORI ¹ Distance	Lens 2.8 mm	Detect 58 m (190 ft)	Observe 23 m (75 ft)	Recognize 12 m (39 ft)	Identify 6 m (20 ft)	Edge Storage		Network Attached Storage (NAS) FTP Micro SD Slot, maximum 256 GB	
Installation	Installation Angle		Web Viewer		IE (Version 8 and higher), Chrome, Firefox, Safari (Version 12 and higher)				
Pan: 0° to 360° Range Tilt: 0° to 78° Rotation: 0° to 360°		Management S	Software	SmartPSS, DSS, DMSS					
Video		ROLATION, O TO	300			Mobile Operat	ing System	IOS, Android	
Compression Streaming Capa	ability	Smart H.265+, H.264H, MJPEC Three (3) Strea	G (Sub Stream o		Н.264В,	Cybersecurity		Video Encryption, Firmware Encryption, Configuration Encryption, Digest, WSSE, Account Lockout, Security Logs, IP/MAC Filtering, Generating and Importing X.509 Certification, Syslog, HTTPS, 802.1x, Trusted Boot, Trusted Execution, Trusted	
		4 MP (2688 x 1	,,	,	96,			Upgrade	
Resolution		1080p (1920 x 720p (1280 x 7 CIF (352 x 240)	20), D1 (704 x) x 480),	Certifications		UL60950-1	
		Main Stream:4 1080p (1920 x			or	Safety		CAN/CSA C22.2 No.60950-1-07 EN60950-1	
Frame Rate		Sub Stream 1: I	D1 at 30 fps			Electromagnetic Compatibility		FCC CFR 47 Part 15 Subpart B	
	Sub Stream 2: 1080p at 30 fps		(EMC) Electromagnetic Compatibility Directive 2014		Electromagnetic Compatibility Directive 2014/30/EU				
Bit Rate Contro	e Control CBR/VBR		Interface						
Bit Rate	t Rate H.264: 32 Kbps to 8192 Kbps H.265: 19 Kbps to 8192 Kbps		Audio Input: Built-in Microphone		Input: Built-in Microphone				
Day/Night	Day/Night Auto (ICR), Color, B/W			Electrical					
BLC Mode		BLC, HLC, Ultra	WDR (140 dB)	, SSA		Power Supply 12 VDC (±30%) or PoE (IEEE 802.		12 VDC (±30%) or PoE (IEEE 802.3af, Class 0)	
						Power	12 VDC	Standard: 2.1 W with IR ON: 6.2 W	
		Consumption	PoE	Standard: 2.6 W					

with IR ON: 7.2 W

Environmental

Operating Conditions	-40° C to +60° C (-40° F to +140° F), Less than 95% RH
Storage Conditions	-40° C to +60° C (-40° F to +140° F)
Ingress Protection	IP67
Construction	
Casing	Metal
Dimensions	ø106.0 mm x 99.20 mm (4.17 in. x 3.91 in.)
Net Weight	0.55 kg (1.21 lb)
Gross Weight	0.71 kg (1.57 lb)

Analytics+ Functions²

Perimeter Protection		Detects human or vehicle violations using the following methods: Tripwire: a target crosses a defined line. Intrusion: a target enters or exits a defined perimeter. Monitors a combination of detection methods. Search and retrieve video based on target type.
People Counting		Delivers accurate flow statistics from the following methods: Line Crossing: counts a person as they cross a threshold in a defined direction. Region: counts the number of people in a defined area. Counts people simultaneously from four (4) threshold lines and four (4) defined regions ³ .
Face Detection		Detects and captures a snapshot of a human face within a scene.
Smart Motion Detection+ ^{2 3}		 Differentiates between and classifies human and vehicle objects. Filters false alarms due to leaves, lights, animals, and other inconsequential objects. Extracts human or vehicle objects from recorded video for quick target search and retrieval.
Recommended	Human	Up to 10.0 m (32.81 ft)
Detection Distance	Vehicle	Up to 15.0 m (49.21 ft)

Intelligent Video System Functions

IVS triggers an alarm and takes a	IVS triggers an alarm and takes a defined action for the following events:				
Standard Features	 Tampering with the camera. Error writing to an onboard Micro SD card. Error sending or receiving data over the network. Unauthorized access to the camera. IP Address Conflict 				
Premium Features					
Missing Object	An object is missing from a designated area.				
Abandoned Object	An object is placed in a designated area where no object should be.				
Scene Change	A person or object moves the camera to change the scene or covers the camera to obscure the scene.				
Fast Moving	Target exceeds a set speed when exiting a defined area				
Parking Detection	Vehicle remains in a defined area without motion for a set period of time.				
Crowd Gathering	Specified number of people remain inside a defined area for a set time.				
Loitering Detection	Target is in motion inside a defined area longer than a specified amount of time.				

ePoE Transmission Distances

Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 48 V

Maximum DC resistance < 10 $\Omega/100$ m

Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	53	IEEE/E100
200 (656)	100	25.5	33	E100
300 (984)	100	19	19	E100
400 (1312)	10	17	17	E10
500 (1640)	10	13	13	E10
800 (2625)	10	7	7	E10

Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 53 V Maximum DC resistance < 10 $\Omega/100$ m

Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	53	IEEE/E100
200 (656)	100	25.5	47	E100
300 (984)	100	25.5	32	E100
400 (1312)	10	23	26	E10
500 (1640)	10	20	20	E10
800 (2625)	10	13	13	E10

Via RG-59 Coaxial Cable

ePoE supply voltage 48 V

Maximum DC resistance < 5 $\Omega/100$ m

······································				
Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	50	IEEE/E100
200 (656)	100	25.5	30	E100
300 (984)	100	18	18	E100
400 (1312)	100	15	15	E100
500 (1640)	10	12	12	E10
800 (2625)	10	6	6	E10
1000 (3281)	10	5	5	E10

Via RG-59 Coaxial Cable

ePoE supply voltage 53 V

Maximum DC resistance < 5 Ω/100 m

Cable Length, m (ft)	Bandwidth, Mbps	PoE Load Capacity, W	Hi-PoE Load Capacity, W	Working Mode
100 (328)	100	25.5	52	IEEE/E100
200 (656)	100	25.5	48	E100
300 (984)	100	25.5	30	E100
400 (1312)	100	20	23	E100
500 (1640)	10	16	16	E10
800 (2625)	10	10	10	E10
1000 (3281)	10	8	8	E10

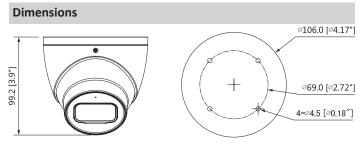
^{1.} The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4 , the standard that defines the criteria for the Detect, Observe, Recognize and Identify classifications.

^{2.} Pair a Smart Motion Detection camera with a Dahua recording device that also offers SMD functionality to take advantage of SMD alarm filtering and object classification when searching and playing back recorded

^{3.} The Smart Motion Detection+ features require firmware: DH_IPC-HXSXXX-Volt_MultiLang_NP_Stream3-USA_V2.820.0000000.2.R.210403.zip
This free firmware upgrade offers higher accuracy for detecting objects and a reduced number of false alarms. Cameras with SMD+ are compatible with Dahua NVR 4/5/6 Series recorders. Note that the NVRs do not require a firmware update.

Ordering Information				
Туре	Part Number	Description		
Analytics+ Camera	N45DJ62	4 MP ePoE Starlight+ Fixed Lens Eyeball Camera		
	PFA106	Mount Adapter (For use with PFB220C and PFB305W)		
	PFA130-E	Junction Box (for use with PFA152-E pole mount)		
	PFA139	Junction Box (for use with PFA152-E pole mount)		
	PFA150	Pole Mount (for use PFB305W wall mount)		
Accessories,	PFA151	Corner Mount (for use with PFB305W wall mount)		
optional	PFA152-E	Pole Mount (for use with PFB204W wall mount)		
	PFB204W	Wall Mount (for use with PFA151 or PFA152-E)		
	PFB220C	Ceiling Mount (for use with PFA106)		
	PFB305W	Wall Mount (for use with PFA106)		
	DH-PFM321D-US	12 VDC, 1 A Power Adapter		
ePoE Accessories,	LR1002	EoC Passive Converter		
optional	LR1002-1EC	Single-port EoC Receiver		

Mounting Diagram Camera Adapter Wall Mount Ceiling Mount Junction Box Pole/Corner Mount PFA139 PFA130-E PFA150 PFB220C PFB305W PFB305W PFB151



Accessories

Optional:



PFA106 Mount Adapter



PFA152-E Pole Mount



LR1002 EoC Passive Converter



PFA130-E Junction Box



PFB204W Wall Mount



LR1002-1EC Single-port EoC Receiver



PFA151 Corner Mount



PFB220C Ceiling Mount



DH-PFM321D-US 12 VDC, 1 A Power Adapter

