

Alabama Community College System - Joint Purchase Agreement Request for Bid

Bid # ACCS 2022-01

Alabama Community College System
ATTN: Joint Purchase Agreement Initiative
135 South Union Street, Suite #135
Montgomery, AL 36104

Date: February 7, 2022

Proposal



4031 Parkway Drive, Suite B
Florence, AL 35630
800.604.1822 | 256.349.2034 fax
nside.io

Letter of Transmittal

February 7, 2022

RE: Alabama Community College System & Alabama Higher Education Joint Purchasing Agreement Bid #: ACCS-2022-01

Alabama Community College System
ATTN: Joint Purchase Agreement Initiative
135 South Union Street Suite #135
Montgomery, Alabama 36104

On behalf of nSide, Inc. and as requested in the Alabama Community College System & Alabama Higher Education Joint Purchasing Agreement Bid #: ACCS-2022-01, we are submitting the attached response entitled The Alabama Community College System & Alabama Higher Education Joint Purchasing Agreement. We explicitly indicate acceptance of the Conditions Governing the Procurement per the bid and our Alabama Technology Network (ATN) ISO 9001 Certification contract where we are in the final stage of completion.

Douglas Lamar Davis, PhD, and Chief Operating Officer, nSide Inc., is authorized to contractually obligate our organization and can negotiate the contract on behalf of nSide Inc. His contact information is listed below.

If you have any questions or need additional information, please contact me at 334-201-8510.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Douglas Lamar Davis'.

Douglas Lamar Davis, PhD
Chief Operating Officer
Lamar@nside.io
nSide, Inc.
4031 Parkway Dr Ste B
Florence AL 35630-7620
Tel: 334-201-8510

Original

6.5 Appendix E - Evaluation Submission Form

The purpose of this form is to provide a single summary document per submitting vendor that references required materials. This document is intended to assist the Evaluation Committee easily find specific items of information during the evaluation process and to assist participating agency personnel in locating specific vendor information after the award of the bid.

Vendor Contact Information

This will be published for participating agencies to streamline the vendor contact process. Vendors may not have all of these departments/positions/titles. Please complete this information as accurately as possible. If the information below changes, please send a revised version of this page to jpa-notification@accs.edu

Vendor Name: nSide Inc. Date: February 7, 2022
Website Address: www.nside.io

	Name(s)	Phone Number(s)	E-Mail Address(s)
Primary Contract Executive(s)	Steve McKinney, PhD	256.648.5111	Steve@nside.io
Senior Account/Sales Manager(s) (by region if necessary)	Lamar Davis, PhD	334.201.8510	Lamar@nside.io
Account/Sales Manager(s) (by region if necessary)	Alan Bentley	334.304.0832	Alan@nside.io
Technical Support	Robert Nall	256.648.5115	Robert@nside.io

BID INFORMATION INDEX

Please complete the following form to assist the Evaluation Committee in finding specific information as related to your bid response.

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Response to General Requirements and Specifications

I. Product and Services Delivery Overview

- A. Vendors must describe their ability to provide professional services, technology equipment including related products and support services to the System and the various authorized entities.***

The Alabama Community College System (ACCS) and nSide, Inc. have cemented a relationship over the last decade in which we all have strived to recognize the ever-evolving needs of our users and the threats that they face. We continually engage and assess needs and what functionality we can provide to address those needs. This approach has provided Alabama with a continually evolving system for campus safety that is flexible for a diverse group of end users, while still providing consistency for campus-to-campus throughout the State.

nSide - The School Safety Platform contains Emergency Operations Plans (EOP) and detailed campus maps and building floor plans illustrating over one hundred different categories of map data overlaid on high-resolution aerial photography and street base maps for all public K-12 schools, fifteen (15) community colleges, and four (4) four year universities in the State of Alabama. In addition to Alabama, nSide has many other educational institution clients throughout the southeastern United States to include major Division 1 universities such as the University of Miami.

For the public K-12 schools in Alabama alone, that translates to 159 school districts and their associated Central Office EOPs, which contain 2,104 school campus sitemaps and their associated EOPs. That is 1,968 buildings with over 4,185 floor plans representing 210,991,036 square feet of interior space that has been mapped and cataloged into 25,871 map layers composed of 83,068,812 points and polygons that include documentation of 377,258,204 pictures and documents, 16,254 360-degree dynamic interior/exterior photospheres, and thousands of live data feeds such as ambient environment sensors and surveillance cameras.

For the Alabama Community College System (ACCS), that translates to 15 colleges and their associated EOPs. That is 132 buildings with 203 floor plans representing 3,123,851 square feet of interior space that has been mapped and

cataloged into 1,051 map layers composed of 20,357 points and polygons that include documentation of 53,870 pictures and documents, 1,536 360-degree dynamic interior/exterior photospheres, and thousands of live data feeds such as ambient environment sensors and surveillance cameras.

This massive compilation of data represents thousands of hours during nearly a decade of the work of school faculty and nSide personnel.

nSide supports unlimited users with all modern authentication methods including Active Directory, SAML, ADFS, and Oauth.

The following lists our current clients from the Alabama Community College System (ACCS):

1. Calhoun Community College
2. Coastal Alabama Community College (Alabama Southern Campuses)
3. Coastal Alabama Community College (Faulkner State Campuses)
4. Coastal Alabama Community College (Jeff Davis Campuses)
5. Gadsden State Community College
6. Enterprise State Community College
7. J.F. Drake State Community College
8. Jefferson State Community College
9. Lawson State Community College
10. Lurleen B. Wallace Community College
11. Northwest-Shoals Community College
12. Shelton State Community College
13. Trenholm State Community
14. Wallace Community College
15. Wallace State Community College Hanceville

The Alabama Community College System (ACCS) recently completed a comprehensive review of safety and security plans at all Alabama community colleges that included visits to all colleges within the system. During this process, the ACCS reviewed and approved the safety and security Emergency Operation Plans (EOPs) for each college. Each college must conduct annual training and ongoing drills regarding the college's EOP to maintain plan approval by the ACCS. The ACCS makes training available to all college staff involved with school safety and security. The ACCS employs a Chief Safety and Security Officer, and each college maintains a primary safety officer. Any plan revisions must be submitted to the ACCS for approval.

nSide - The School Safety Platform partners with 179 school systems and 2,477 schools throughout the United States, including Alabama, Mississippi, Florida, North Carolina, and Indiana. nSide provides a unified school safety platform that

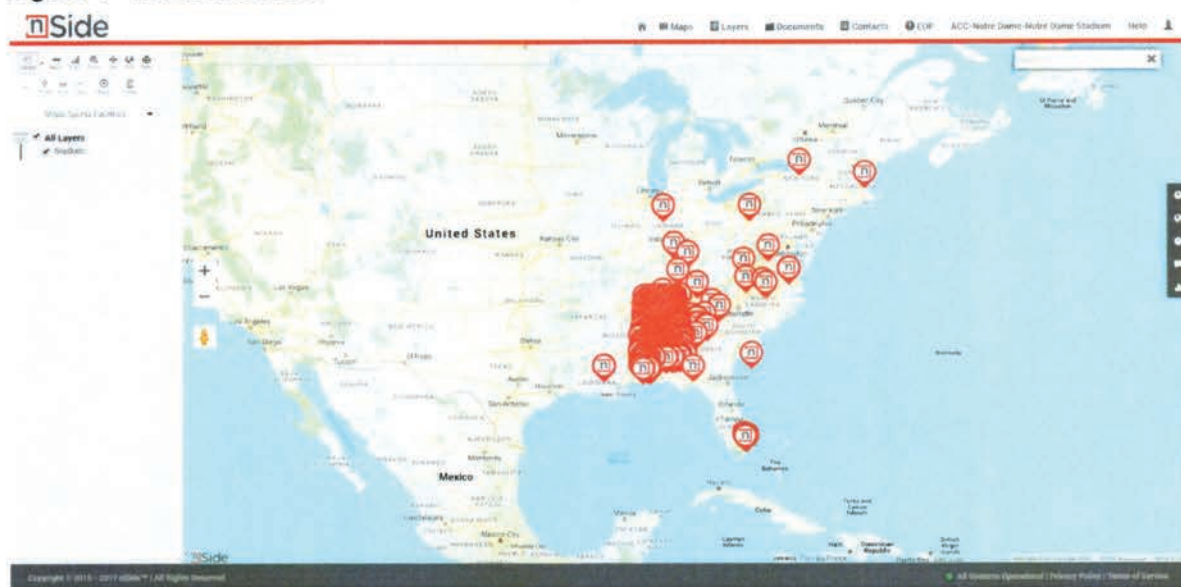
helps partners in campus mapping (upload facility floor plans and map critical infrastructure locations like emergency equipment, utilities, and classrooms), emergency operation plans (create and maintain digital EOPs, log reports on drills, and distribute skills surveys for assigning roles), training (train school staff in emergency operations planning, threat assessment, etc), and technology (integrate modules for surveillance, access control, fleet management, and communications). nSide has a plethora of experience deploying a unified campus safety platform for large geographic areas.

As part of our existing contracts within the ACCS, we have mapped many buildings on most ACCS campuses. **This is especially relevant to this RFP because it will reduce cost due to existing annual subscriptions in the base platform.**

Intuitive graphical user interface

nSide provides an intuitive graphical user interface that is 508 compliant and uses the concept of “place first” with dynamic search ability to help users quickly navigate to items of interest that they can interact with, like cameras and 360 views.

Figure 1 - nSide Interface



Video over Ethernet cameras, video monitoring, capture and retrieval of footage

At nSide we have one purpose—to help keep our customers safe. As part of that purpose, we are always evaluating new technology and systems to determine who and what can help. After much research and review, we believe Verkada

and their "all-in-one system" is that who and that what. We are proud to announce our first nSide Certified camera and access control systems.

Our video surveillance and access control systems offer simplicity and added protection to organizations looking to modernize their approach to physical security. The cameras—available in indoor and outdoor models—eliminates the need for local servers, firewall equipment, and network video recorders (NVRs), reducing complexity and lowering operating costs.

In place of the NVR, each camera stores video footage on industrial-grade, solid-state storage. This fully encrypted and distributed design offers a number of unique benefits. It improves security by doing away with single points of failure and unencrypted NVRs. It minimizes bandwidth consumption by avoiding continuous video upload. And it greatly reduces the cost and complexity of extending the system—simply install new cameras, with no additional hardware equipment required.

Paired with nSide|Live's and nSide|Edge intuitive, web-based software, the cameras and access control system come alive with powerful new capabilities. It's easy to grant, edit and revoke access permissions for any user—by camera or door, site or organization. Activity-based indexing and intelligent search features automatically identify incidents, reducing hassle and speeding response times. nSide even makes it possible to share real-time camera feeds via SMS. And because our cameras and access control system are web managed, software updates and upgrades occur automatically. Result: Our video surveillance and access control systems are always up to date and always secure.

- b. ***Vendors must thoroughly describe their procedures for resolving customer problems and complaints including timelines and escalation measures.***

nSide prides itself on our support for our customers and technical support. Our technical support 24/7, 365 days a year through our live chat system, our support hotline, and our text and email system built into our campus safety platform.. Our live chat response times⁶ have averaged less than three minutes over thousands of users and thousands of engagements during the last year. (see "Customer Satisfaction" response section)

- c. ***Vendors must submit customer satisfaction statistics or survey results concerning the quality of the products and/or services offered.***

The following illustrates customer satisfaction statistics over the past year. At nSide, we refer to our “support tickets” as “conversations” because we want everyone involved to feel that they can talk to us and that we will listen and respond to their needs.

Over the last year, we have had 2,760 conversations with a median response time of under 5 minutes and close the conversation in under 1 hour. (see Figure 4)

Figure 4 - Customer Support Ratings and Statistics



- d. ***Vendors must thoroughly describe their ability to provide value added technical services including installation, training or directly related optional services and the geographic area where the services may be provided.***

nSide provides all services (technical services including installation, training or directly related optional services) throughout Alabama and a large portion of the southeastern United States. (see Figure 3)

- e. ***Vendors must also provide appropriate and timely notification of product upgrades as it is made available.***

nSide is a Software as a Service (SaaS), cloud-based platform that offers a fully collaborative, 'building interior' and campus visualization solution. With nSide, all responsible parties throughout an organization can look 'inside' every building and actually see what exists 'inside'. Our simple methods of doing this and our ease of use is what makes nSide so innovative — and therefore so engaging. We have designed nSide specifically to help educators and other responsible personnel to engage with emergency management and facility management to be more efficient during ongoing operations and during planning, response and recovery of emergency situations helping effective decision making.

nSide is our flagship product and it is constructed using the Google Cloud Platform (GCP) and is therefore always up to date with the newest features and options.

- f. ***Vendors should provide a map with an indication of the locations where each type of value-added service may be provided.***

The following map (Figure 3) illustrates the location of each of our education customers where these services are provided.

Figure 3 - Geographic Distribution of Services



2. Reporting

Vendors must agree to provide quarterly utilization reports to the System based upon the schedule and minimum content as described in this request.

nSide agrees to provide quarterly utilization reports to ACCS. This will take the form of usage statistics of the nSide Platform, such as mapped features, EOP updates, user reports, etc, as well as monies spent on particular products per organization associated with ACCS..

3. Electronic Commerce

nSide maintains the ability to make purchase orders accepted and process payment electronically.

4. Primary Account Representative

Vendors must identify by name and location both the proposed primary account representative and the marketing supervisor who will be responsible for the performance of the agreement. Any changes to this information must be immediately sent to the College.

Primary Account Representative:

Douglas Lamar Davis, PhD
Chief Operating Officer
cell: 334-201-8510
email: lamar@nside.io
location: Montgomery, AL

Marketing Supervisor:

Steven B. McKinney, PhD
Chief Executive Officer
tel: 800-604-1822
cell: 256-648-5111
email: steve@nside.io
location: Florence, AL

5. Breadth of Offering

nSide - The School Safety Platform partners with 179 school systems and 2,477 schools throughout the United States, including Alabama, Mississippi, Florida, North Carolina, and Indiana. nSide provides a unified school safety platform that helps partners in campus mapping (upload facility floor plans and map critical infrastructure locations like emergency equipment, utilities, and classrooms), emergency operation plans (create and maintain digital EOPs, log reports on drills, and distribute skills surveys for assigning roles), training (train school staff in emergency operations planning, threat assessment, etc), and technology (integrate modules for surveillance, access control, fleet management, and communications). nSide has a plethora of experience deploying a unified campus safety platform for large geographic areas.

At nSide we have one purpose—to help keep our customers safe. As part of that purpose, we are always evaluating new technology and systems to determine who and what can help. After much research and review, we believe our video surveillance and access control systems and their "all-in-one system" is that who and that what. We are proud to announce our first nSide Certified camera and access control systems. Our video surveillance systems are powered by

Verkada, Rhombus, and Eagle Eye Solutions. Our access control systems for doors (interior and exterior) are integrated with our video surveillance system and are powered by Kisi, Verkada, and Rhombus. Our other component to boost the safety and accuracy of all components is our CelFi Signal Boosting System. All these components are integrated into the nSide Unified Campus Safety Platform. This Platform allows all components to be integrated and visualized in one Platform and shared with other organizations as needed for crisis management and day-to-day operations.

Our video surveillance and access control systems offer simplicity and added protection to organizations looking to modernize their approach to physical security. The cameras—available in indoor and outdoor models—eliminates the need for local servers, firewall equipment, and network video recorders (NVRs), reducing complexity and lowering operating costs.

In place of the NVR, each camera stores video footage on industrial-grade, solid-state storage. This fully encrypted and distributed design offers a number of unique benefits. It improves security by doing away with single points of failure and unencrypted NVRs. It minimizes bandwidth consumption by avoiding continuous video upload. And it greatly reduces the cost and complexity of extending the system—simply install new cameras, with no additional hardware equipment required.

Paired with nSide|Live's and nSide|Edge intuitive, web-based software, the cameras and access control system come alive with powerful new capabilities. It's easy to grant, edit and revoke access permissions for any user—by camera or door, site or organization. Activity-based indexing and intelligent search features automatically identify incidents, reducing hassle and speeding response times. nSide even makes it possible to share real-time camera feeds via SMS. And because our cameras and access control system are web managed, software updates and upgrades occur automatically. Result: Our video surveillance and access control systems are always up to date and always secure.

6. References

Vendors must submit three (3) current (within two years) references of entities of similar size and complexity, and/or entities that have or are currently receiving similar products and services to those proposed by the vendor for this procurement. Each reference must include the name of the contact person, address, telephone number and description of products and services provided.

The following are our references.

Jeff Spence
Security Director
Enterprise State Community College
600 Plaza Drive
Enterprise, AL 36331
334-389-0442
Purchased video surveillance for all campuses for college

Mark Cline
Security Director
Shelton State Community College
9500 Old Greensboro Road
Tuscaloosa, AL 35405
205-391-2352
Purchased video surveillance and access control hardware and software

Bruce Bulluck
Security Director
J.F. Drake State Community College
3421 Meridian Street North
Huntsville, AL 35811
256-551-5210
Purchased video surveillance and access control hardware and software

7. Pricing Level and Guarantee and Equipment and Services Schedule

There is no additional cost of the base software if an ACCS college has an annual subscription. Identifying costs of each additional added item is difficult to determine due to no quantities of required cameras, access control systems, or sensor descriptions of any existing items being provided in the RFP. Therefore the following items may or may not be necessary to build out the system, but this does provide a list of the items we can provide and their individual prices. Our access control systems for doors (interior and exterior) are integrated with our video surveillance system and are powered by Kisi, Verkada, and Rhombus. Our other component to boost the safety and accuracy of all components is our CelFi Signal Boosting System. All these components are integrated into the nSide Unified Campus Safety Platform. This Platform allows all components to

be integrated and visualized in one Platform and shared with other organizations as needed for crisis management and day-to-day operations.

Please see the attached Data Sheets and Price Listings for Verkada, Rhombus, Kisi, Eagle Eye Solutions, and CelFi that are included in this JPA request for nSide Inc.

APPENDIX A

APPENDIX B

Appendix C

Verkada Video Surveillance and Access Control
Data Sheets and Pricing

Rhombus Camera Data Sheets and Pricing

CelFi Wireless Access Data Sheets and Pricing

Kisi Access Control Data Sheets and Pricing

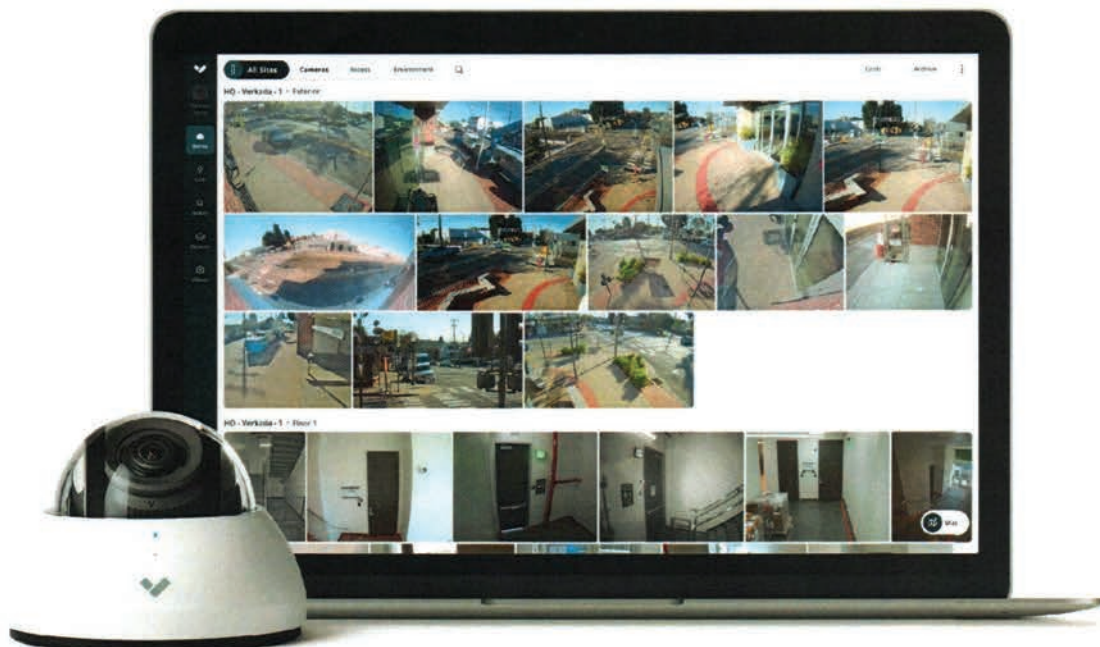
Eagle Eye Camera Data Sheets and Pricing

Verkada

Video Surveillance and Access Control Systems

Pricing and Data Sheets

Strengthen and simplify
security at scale



Overview

Verkada's line of hybrid cloud security cameras combines powerful edge-based processing with the limitless capabilities of cloud computing. With Verkada's hybrid cloud architecture, cameras analyze events in real-time, while simultaneously leveraging Verkada's industry-leading computer vision technology for instantaneous insights that bring speed and efficiency to incident investigations.

From Command search, Verkada's centralized web-based platform, users can find the footage they need in seconds. With features like Motion Detection, People Analytics, and Vehicle Analytics, teams can quickly search across their organization to find relevant footage, eliminating the need to scrub through incidents manually.

All cameras have built-in onboard storage, including extended storage options up to 365 days of continuous recordings. With Verkada, organizations no longer need to worry about managing and maintaining devices like NVRs. Verkada cameras can self-manage, process and safely store footage locally on each device, while cloud-based archiving allows organizations to save and share as much footage as needed.

Available in a wide range of form factors, including indoor and outdoor models, Verkada security cameras work out of the-box without any additional downloads or configurations. Users can access events and associated footage from virtually anywhere from any device. Most importantly, without needing to open port forwards or setup VPNs, all Verkada traffic is automatically protected with end-to-end encryption.

Industry-Leading 10-Year Product Warranty

All Verkada hardware purchases are backed by our 10-year limited warranty. For more information, visit verkada.com/support/terms-of-sale.



Verkada's Hybrid Cloud Architecture



The reliability of on-camera solid-state storage, with the accessibility of the cloud

Simple to Install

- No NVRs, DVRs, or servers—just a PoE connection
- Cameras come online and configure in minutes
- No added software or complexities like port forwarding

Easy to Use

- Centralized management for seamless access vertically anywhere
- No training required to access footage and features
- Find, download, and share footage from any device

Advantages of Cloud-Managed Solution

- Secure remote access on any device nearly anywhere
- Real-time alerts if cameras fall offline
- SAML-based integration with single-sign on (SSO) solutions
- Continuous updates with new AI features
- Instantly share live footage via SMS and email
- Live, proactive alerting based on unusual activity
- People counting and heatmaps to visualize your space

Ready For Scale

- Bandwidth-friendly, using 5–20 Kbps per camera in steady mode
- Scale to thousands of cameras across all locations
- No added equipment needed to support additional cameras

No Hidden Costs

- Hardware includes an industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs





Video Security Hardware

Wide range of form factors built for any need



Dome Series

- Wide range of models for indoor and outdoor deployments
- Vandal-resistant form factors, including ratings of IK08 (indoor) and IK10/IP67 (outdoor)
- Image resolutions ranging from 2MP–4K
- Up to 365 days of onboard retention



Bullet Series

- Available in wide and telephoto lens options
- Waterproof IP67-rated hermetically sealed lens assembly, IK10-rated CNC aluminum housing for unmatched durability
- Available in 5MP and 4K image resolutions
- Up to 365 days of onboard retention



Mini Series

- Discreet form factors for any environment
- High-resolution image quality with options for 5MP and 4K
- Up to 365 days of onboard retention



Fisheye Series

- Three viewing modes: Panoramic, PTZ, 4-way split
- High-resolution image quality with 12MP
- Up to 90 days of onboard video retention

Command Platform Overview

All-in-one cloud-based management software for Verkada security cameras



Command, Verkada's cloud-based management software, is designed to deliver simple access and management for all cameras and users across all sites from virtually anywhere in the world. From Command, users can set up new cameras, create sites, manage settings, access live and archived footage, manage users, and access the advanced features powered by Verkada's edge based analytics.

Security & Permissions

- SAML/OAuth support for single sign-on
- 2-factor authentication options
- User permissions can be controlled at camera, site and organization levels

Remote Access

- Access from nearly any device (desktops, smartphones, tablets)
- Native apps for iOS and Android, Apple TV, and Verkada's VX52 Viewing Station

Archiving and Sharing

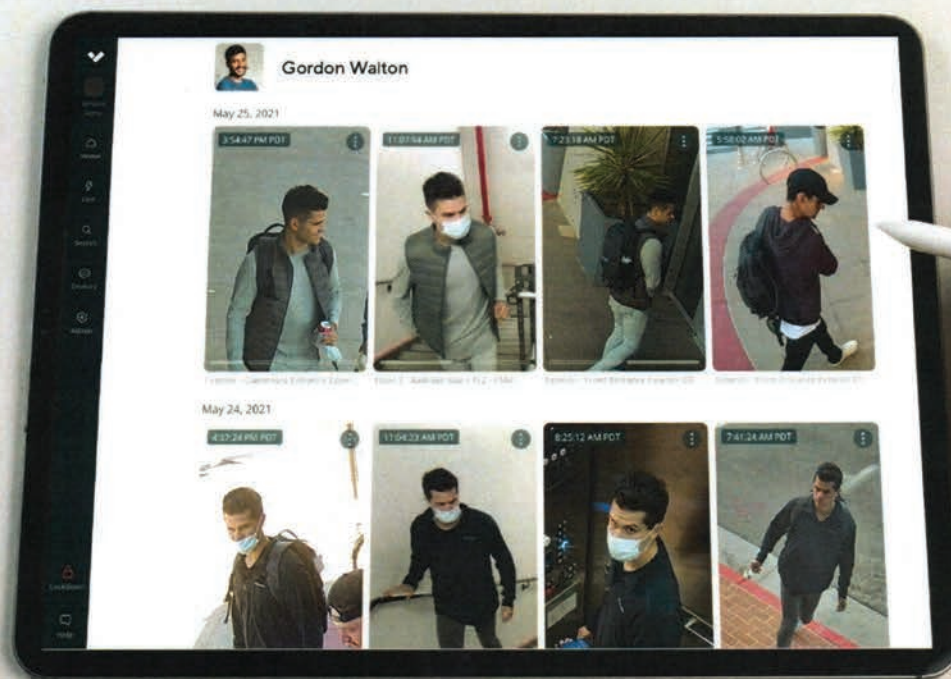
- Command licenses include unlimited cloud archiving
- Easily export any footage in a shareable MP4 format
- Create and share Live Links with first responders

Powerful Edge-Based Analytics

- Search footage by date, time, and motion
- Access People and Vehicle Analytics to simplify investigations

Verkada's People Analytics

Simplify and speed up investigations with intelligent people and face detection



Available across Verkada's Dome Series, People Analytics combines intelligent edge-based video processing with computer vision in the cloud to give users high-quality images of all individuals identified in the scene. With Verkada's centralized management platform, customers can filter people by various attributes, including date, time, appearance, clothing color, backpack detection, and facial matches.

Bring Intelligence to Investigations

Face Search

- Quickly search for matching people by selecting an existing face from your organization or by uploading an image

Person History

- Browse through high-resolution snapshots of people detected in frame
- Save snapshots or easily access associated full-res video

Investigate Anywhere

- People Analytics is available from any device and can be accessed from virtually anywhere in the world

Attribute Filters

- Filter based on a range of attributes, including clothing color, gender appearance, and facial matches.

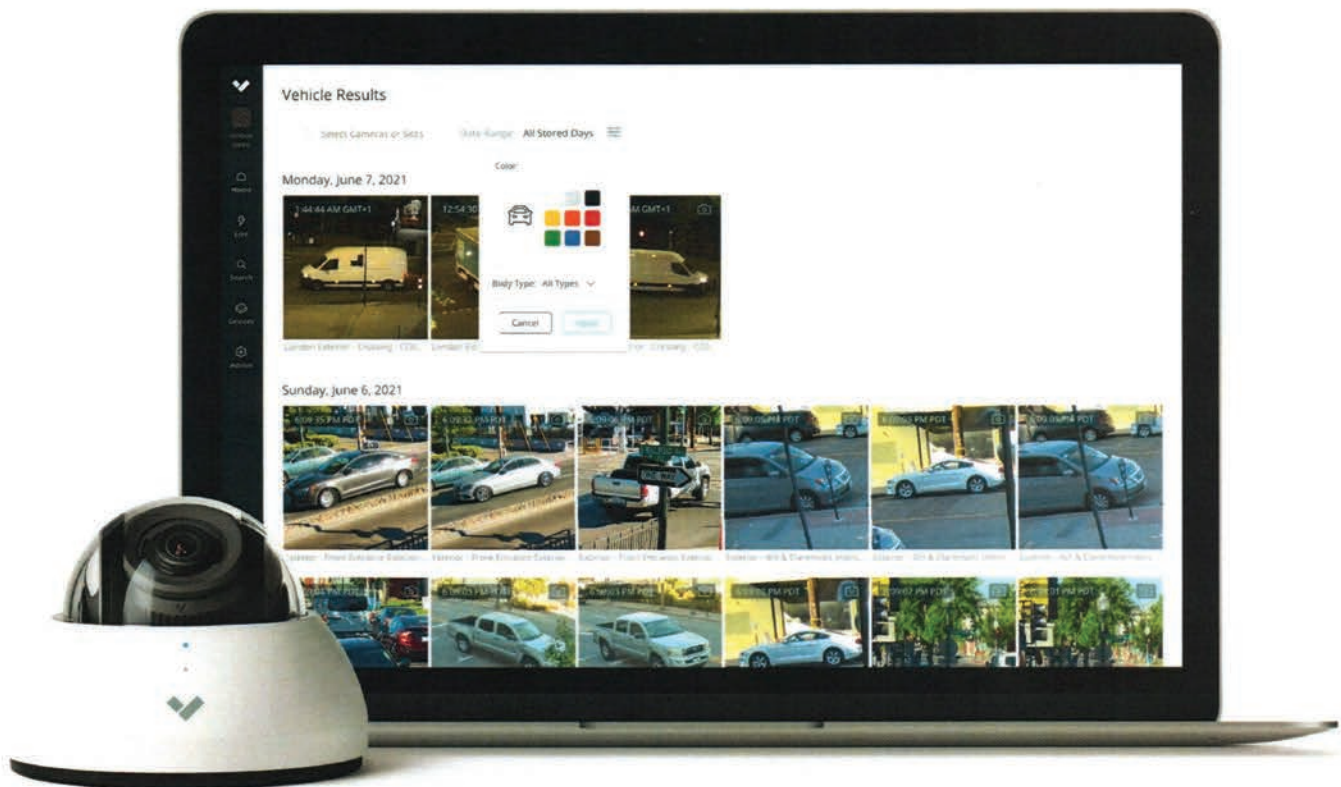
Cross-Camera Tracking

- Easily find potential suspects or people of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a person to quickly provide evidence



Verkada's Vehicle Analytics

Quickly search and filter to find vehicles of interest



Vehicle Analytics is a powerful edge-based feature that gives users high-quality images of all vehicles identified in the scene. With Verkada's centralized management platform, customers can filter vehicles by date, time, vehicle make, color, and body type.

Find and Filter Vehicles with Ease

Vehicle History

- Browse through high-resolution snapshots of vehicles detected in frame
- Save snapshots or easily access associated full-res video

Investigate Anywhere

- Vehicle Analytics is available from any device and can be accessed from virtually anywhere in the world

Attribute Filters

- Filter based on a range of attributes, including vehicle color, and body type

Cross-Camera Tracking

- Easily find similar vehicles of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a vehicle to quickly provide evidence

License Plate Recognition

- Leverage a dual-camera system to provide LPR coverage, monitor a live LPR feed, and search by plate number.
- Receive License Plate of Interest Alerts via SMS or email with an image or link to review the associated footage.

Indoor Dome Series

Tech Specs

**CD31****CD41****CD51****CD62**

Image Resolution	2MP (1920 x 1080)	5MP (2688 x 1944)	5MP (2688 x 1944)	4K (3840 x 2160)
Lens Type	Fixed		3x Optical Zoom	
Image Sensor	1/2.8" Progressive CMOS			
Focal Length	f=2.8mm		f=2.8-8mm	
Iris	Fixed		P-Iris	
Aperture	F1.6		F1.3-F2.4	
Field of View	Horizontal: 97° Vertical: 71° Diagonal: 128°		Horizontal: 38° to 105° Vertical: 29° to 77° Diagonal: 48° to 126°	Horizontal: 41° to 116° Vertical: 23° to 62° Diagonal: 47° to 136°
IR Range	15m / 50ft in low light		30m / 98ft in low light	
Resistance Rating	Rating IK08, FCC, IEC60950-1			
Dimensions	With mount plate: Ø: 146mm / 5.75in, H: 104.3mm / 4.11in ; 736g / 25.96oz Without mount plate: Ø: 146mm / 5.75in, H: 99.8mm / 3.93in ; 593g / 20.92oz			
Operating Specs	Power: 11W (IEEE 802.3af PoE) Temperature: -10°C - 50°C (14°F - 122°F) Humidity: 90%			
Connectivity	Ethernet: 10/100Mbps RJ-45 cable connector for Network/PoE connection			



Outdoor Dome Series

Tech Specs



CD31-E



CD41-E



CD51-E



CD62-E

Image Resolution	2MP (1920 x 1080)	5MP (2688 x 1944)	5MP (2688 x 1944)	4K (3840 x 2160)
Lens Type	Fixed		3x Optical Zoom	
Image Sensor	1/2.8" Progressive CMOS			
Focal Length	f=2.8mm		f=2.8-8mm	
Iris	Fixed		P-Iris	
Aperture	F1.6		F1.3-F2.4	
Field of View	Horizontal: 97° Vertical: 71° Diagonal: 128°		Horizontal: 38° to 105° Vertical: 29° to 77° Diagonal: 48° to 126°	Horizontal: 41° to 116° Vertical: 23° to 62° Diagonal: 47° to 136°
IR Range	15m / 50ft in low light		30m / 98ft in low light	
Resistance Rating	IK10, IP67, FCC, IEC60950-1			
Dimensions	With mount plate: Ø: 155mm / 6.1in, H: 114.6mm / 4.51in; 996g / 35.13oz Without mount plate: Ø: 155mm / 6.1in, H: 107.6mm / 4.24in; 818g / 28.85oz			
Operating Specs	Power: 12W (IEEE 802.3af PoE); Extended Temperature Range: 20W (IEEE 802.3at PoE) Temperature: -20°C - 50°C / -4°F - 122°F, PoE 802.3af; -40°C - 50°C / -40°F - 122°F, PoE 802.3at Humidity: 90%			
Connectivity	Ethernet: 10/100Mbps RJ-45 cable connector for Network/PoE connection			

Mini Series

Tech Specs

**CM41****CM41-E****CM61**

Image Resolution	5MP (2688 x 1944)	5MP (2688 x 1944)	4K (3840 x 2160)
Lens Type	Fixed		
Image Sensor	1/2.8" Progressive CMOS		1/1.8" Progressive CMOS
Focal Length	f=2.8mm		f=4.57mm EFL (at infinity)
Iris	Fixed		
Aperture	F1.6		F1.7
Field of View	Horizontal: 97° Vertical: 71° Diagonal: 128°		Horizontal: 102.3° Vertical: 55.1° Diagonal: 120.4°
IR Range	15m / 49ft in low light		
Resistance Rating	IK08	IK10/IP67/IP6K9K	N/A
Dimensions	Ø: 100mm x 63mm 3.94 x 2.48 inches	Ø: 121mm x 72mm 4.78 x 2.83 inches	Ø: 101mm x 57mm 3.98 x 2.24 inches
Operating Specs	Power: 6W (IEEE 802.3af PoE) Temp: -10 ~ 50°C (14 ~ 122°F) Humidity: 90%	Power: 12W (IEEE 802.3af PoE) Temp: -40 ~ 55°C (-40 ~ 122°F) Humidity: 90%	Power: 6W (IEEE 802.3af PoE) Temp: -10 ~ 45°C (14 ~ 113°F) Humidity: 90%
Connectivity	10/100Mb RJ-45 Cable Connector for Network/PoE Connection		

Bullet Series

Tech Specs

**CB51-E****CB61-E****CB51-TE****CB61-TE**

Image Resolution	5MP (2688 x 1944)	4K (3840 x 2160)	5MP (2688 x 1944)	4K (3840 x 2160)
Lens Type	Optical Zoom			
Image Sensor	1/2.8" Progressive CMOS			
Focal Length	f=2.8mm-8mm		f=8mm-20mm	
Iris	P-Iris			
Aperture	F1.3-F2.4		F1.5-F2.8	
Field of View	Horizontal: 41°-95° Vertical: 40°-59° Diagonal: 50°-105°	Horizontal: 42°-95° Vertical: 25°-48° Diagonal: 49°-100°	Horizontal: 15.9°-38.9° Vertical: 12.2°-29.2° Diagonal: 18°-46°	Horizontal: 17°-41.8° Vertical: 10°-23.8° Diagonal: 21°-52°
IR Range	30m / 98ft in low light		50m / 164ft in low light	
Resistance Rating	IK10, IP67			
Dimensions	Ø: 81 L: 263mm with mountplate			
Operating Specs	Power: 12W (IEEE 802.3af PoE), 20W (IEEE 802.3at PoE) Temperature: -20°C - 50°C (14°F - 122°F), 802.3af / -40°C - 50°C (-40°F - 122°F), 802.3at Humidity: 90%			
Connectivity	10/100Mb RJ-45 Cable Connector for Network/PoE Connection			

Fisheye Series

Tech Specs

**CF81-E**

Image Resolution	12MP (4056x3040)
-------------------------	------------------

Lens Type	Fixed Zoom
------------------	------------

Image Sensor	1/2.3" Progressive CMOS
---------------------	-------------------------

Focal Length	f=1.18mm
---------------------	----------

Iris	Fixed
-------------	-------

Aperture	F2.18
-----------------	-------

Field of View	Horizontal: 180° Vertical: 180° Diagonal: 180°
----------------------	--

IR Range	20m / 65ft in low light
-----------------	-------------------------

Resistance Rating	FCC, CE - EN55035, IK10, IP67
--------------------------	-------------------------------

Dimensions	With Mount Plate – Ø: 155mm x 71.62mm / 6.1in x 2.82in Without Mount Plate – Ø: 155mm x 64.42mm / 6.1in x 2.54in
-------------------	---

Cloud-based access control that seamlessly integrates with powerful video security.



Overview

Verkada Access Control combines enterprise-grade access control with a powerful, cloud-based management platform for a solution that's always simple, secure, and ready for scale. Starting with Verkada's Access Controller, users are able to bring plug-and-play simplicity to managing doors and access across their organization. Access Controllers work with your building's existing door hardware and readers. Once doors are connected, they're ready to be managed from any device via Verkada Command. The Verkada Command platform allows you to easily manage building access, schedules and users. Integration to active directory platforms ensure that employees are automatically configured, onboarded and offboarded. Through Verkada Command, access control and cameras are connected seamlessly to deliver real-time video analytics on access events. Using Verkada's industry-leading edge-based video processing, users are able to not only see what is happening at their points of entry, but also proactively take action for meaningful events.

Industry-Leading 10-Year Product Warranty

All Verkada hardware purchases are backed by our 10-year limited warranty. For more information, visit verkada.com/support/terms-of-sale.

Key Features

- Cloud-based access control for easy management across all sites and users
- Seamless integration with Verkada video security
- Secure Touchless Access with Bluetooth using Verkada's Pass App
- Manage all sites and users across your organization
- Works with existing door hardware and readers
- 10-year warranty on all hardware



Verkada's Cloud-Based Access Control



Hardware Reconsidered

Redesigned control panel that can be used with existing card readers

Easy to Scale

No servers, databases, or on-prem clients to manage — simply just plug-in and add doors

Centralized Management

Modern platform enables secure access on any device from anywhere in the world

The reliability of on-device solid-state storage, with the accessibility of the cloud

Simple to Install

- No servers, thick or thin clients
- Doors come online and configure in minutes
- No added software or complexities like port forwarding

Ready For Scale

- Cloud-based platform has no device/user limits
- Scale to thousands of doors across all locations
- No need to create virtual networks to sync access across sites

Easy to Use

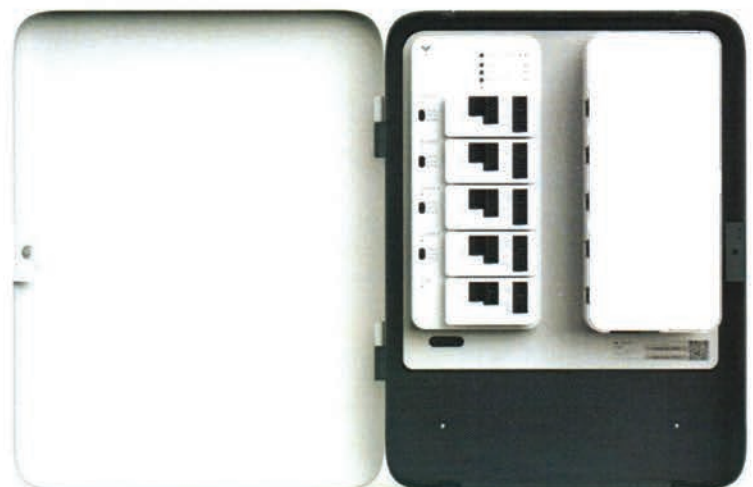
- Centralized management for seamless access anywhere
- No training required to access doors, peripherals, footage and features
- Access doors from any device
- Seamlessly add and integrate video security

No Hidden Costs

- Hardware includes an industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs

Advantages of Cloud-Managed Solution

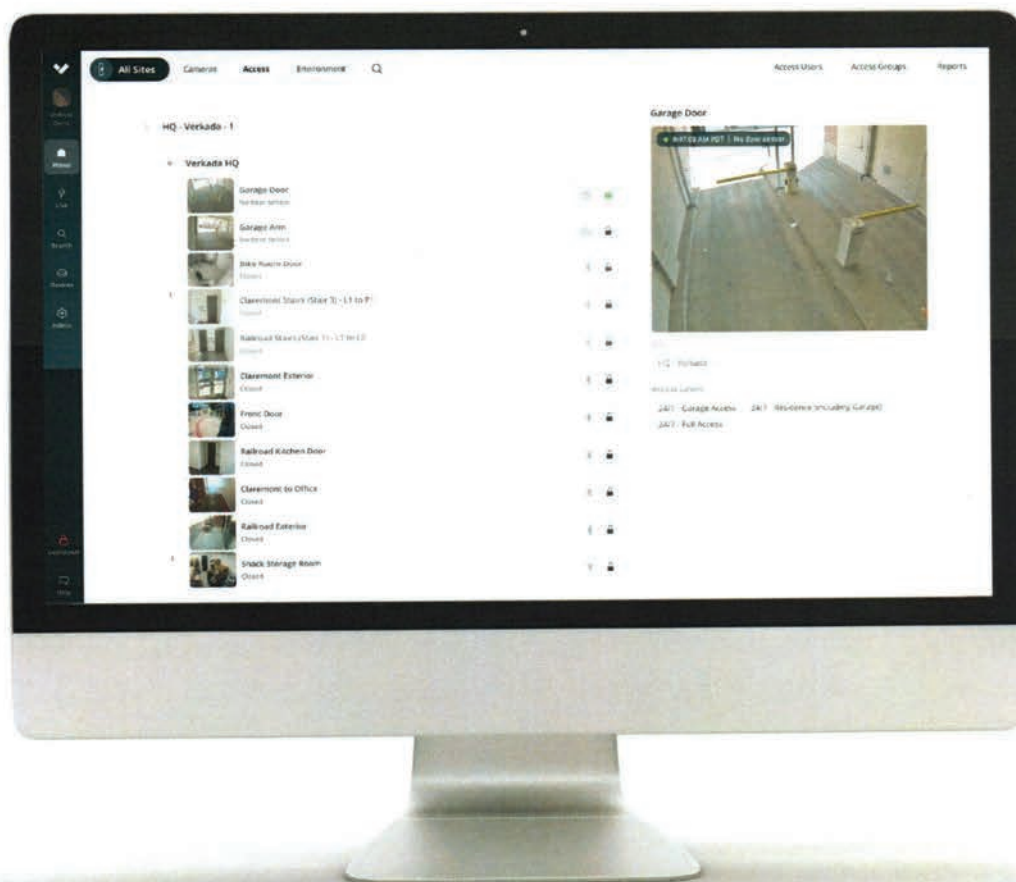
- Secure remote access on any device anywhere
- SAML-based integration with single-sign on (SSO) solutions
- Continuous updates with new features
- Instantly share live footage via SMS and email





Access Software Overview

Powerful features to gain greater visibility and control into your sites



Command, Verkada's cloud-based management software, is designed to deliver simple access and management for all doors, peripherals, cameras, and users across all sites from virtually anywhere in the world.

Door and Peripheral Management

- Instantly see events including live and historical footage
- Filter by events such as unlocks, door opens, and access granted or denied
- Create custom schedules for any day of the week

Video Integration

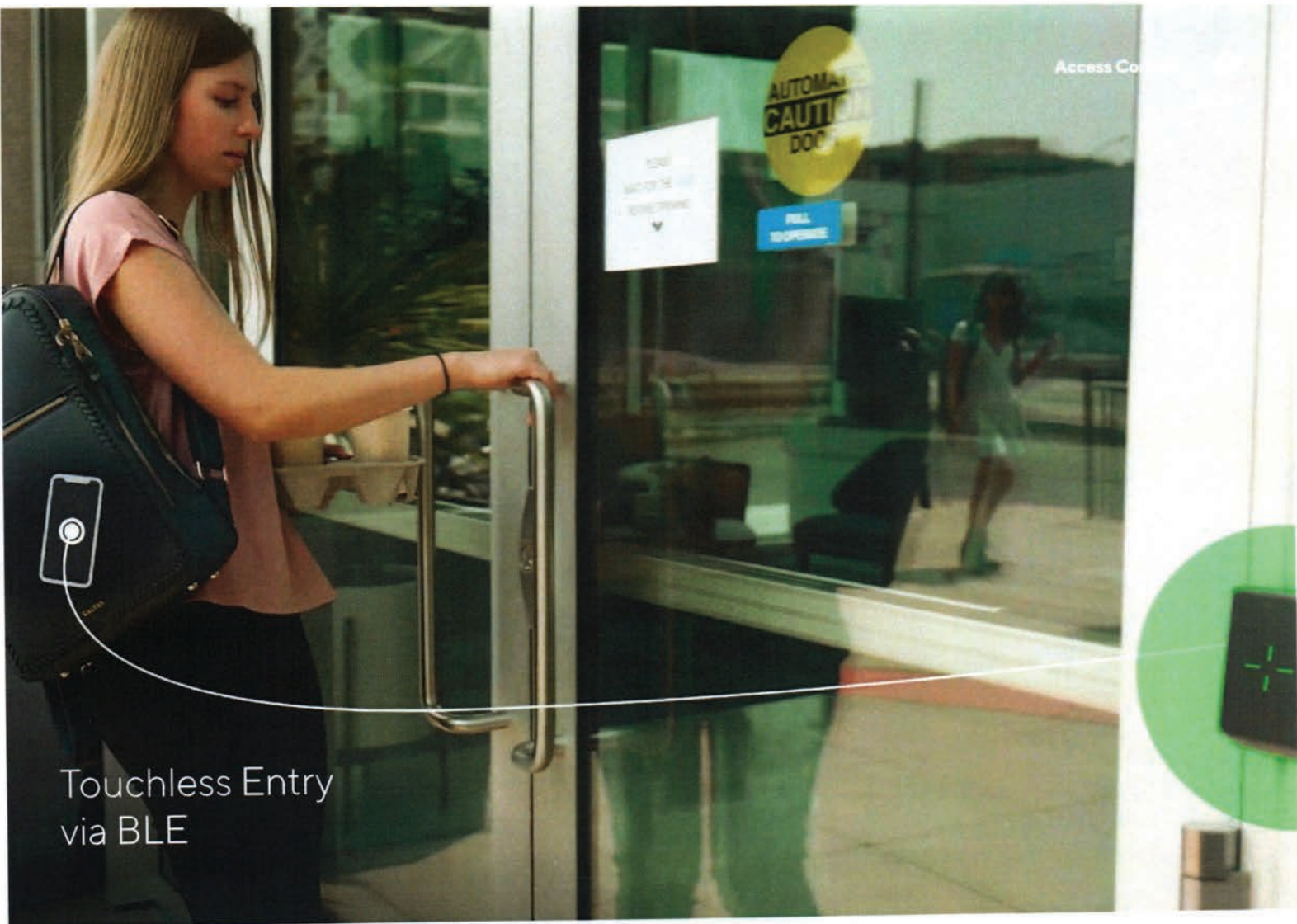
- Associate existing Verkada cameras with doors for increased visibility
- Add multiple cameras to see events from multiple angles
- Quickly export video evidence for investigations

User Management and Permissions

- Import users, integrate with active directory, or add new users manually
- Control door access by user groups
- Assign multi-format access including cards, pins, and mobile access

Site Management

- Manage a limitless number of doors across any number of sites in your organization
- Access all your doors and cameras from Verkada's centralized Command platform



Touchless Entry via BLE

Verkada Pass App

Your digital key card to accessing buildings.

The Verkada Pass app makes it easy to unlock doors by just using your phone. By either tapping from inside the app or through Touchless Access made possible with Bluetooth, it has never been an easier, more convenient way to access buildings.

The Verkada Pass app is available on iOS and Android.





AC41 – 4-Door Controller

Built from the ground-up, the AC41 provides security without the complexity.

Overview

- **Simple to Manage**

Cloud-managed controller configures instantly and updates automatically.

- **Always Reliable**

Built-in storage ensures uninterrupted door functionality.

- **Centralized Management**

Managing doors, permissions, and users from anywhere with Verkada Command.

- **Increased Visibility**

Seamlessly integrates with existing Verkada cameras for unparalleled visibility.



Key Features

- Simplified wiring with an integrated cable management system and screwless push-spring terminals.
- Works with 3rd party readers and credentials.
- Built-in testing interface for wired connections.
- Integrated power supply powers most door strikes and handles without additional wiring.





AC41

Tech Specs

Power Consumption (at 10-14V)	No Readers ~1000mA	4 Wiegand Readers~2200mA
Power Supply	160W PSU (capped at 100W for safety)	
Relays	Dry (External Power Supply) 6 Relays - 4 Door, 2 AUX at 5A / 30VDC	Wet (Powered by AC41) 12V - 700mA per relay max 24V - 350mA per relay max
Inputs	Nominal 5VDC 1Kohm to each input (resistors built-in)	
Contact Sensors	4 Contact Sensors Nominal 5VDC 1Kohm to each input (resistors built-in)	
Dimensions	With Mount 415.6mm (L) x 319.6mm (W) x 111.74 (H)	Without Mount 415.6mm (L) x 319.6mm (W) x 105.74 (H)
Weight	8.5kg	
Operating Temperature	0°C ~ 50°C (32°F~ 122°F), 5-90% humidity	
Compliance	FCC, CE, UL 294, UL 62368-1/CSA C22.2, CAN/ULC-60839-11-1:2016, NDAA	
Connectivity	Ethernet: 100/1000Mbps RJ-45 cable connector for network connection USB 2.0	
Included Accessories	Setup guide, screw pack	
Mounting Options	Dry wall anchors (M8) and screws (M5)	



AX11 – IO Controller

With 16 AUX inputs and outputs, the AX11 IO Controller integrates more of your building infrastructure into the Verkada ecosystem—including access control, security footage, sensors, and alarms.

Overview

- **More Versatility**

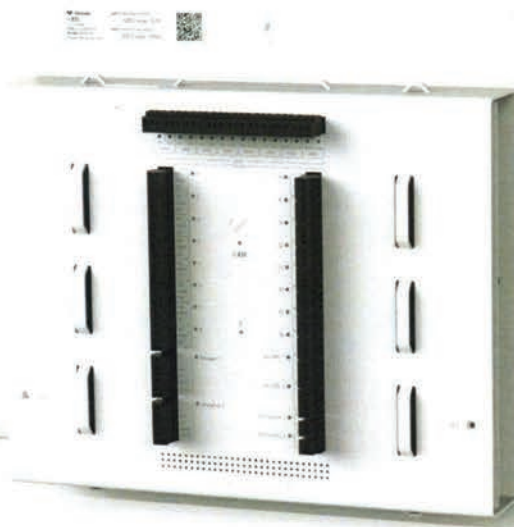
Strengthen access control by incorporating additional sensors and hardware to trigger and respond to building events.

- **Simple to Install, Configure, and Manage**

Easily setup with removable connectors for inputs and outputs. Only requires ethernet and power. Plus, centralize all management across multiple sites via Command's intuitive web interface.

- **Seamless Integration**

Pair with cameras to improve video tagging for door-based events—including door held/forced open—and leverage Alarms for intrusion detection.



Key Features

- Removeable connectors and cable management loops simplify wiring
- Status LEDs for inputs, outputs, and readers accelerate debugging
- Supports both Verkada (over RS-485) and 3rd party card readers (over Wiegand)
- Detachable wall mounting plate streamlines installation



AX11

Tech Specs

Power Consumption	60W Max	
AC Power Input	110-240VAC 50-60Hz	
Inputs	16 Dry Inputs Nominal 5VDC	
Relay Outputs	16 Dry Relays 1A/24VDC Contacts	
Aux Power	16 inputs and 16 outputs, 2 External Outputs, 1A/12V Power Each, 2A Combined Max	
Dimensions	With Mount 415.6mm (L) x 319.6mm (W) x 111.74 (H)	Without Mount 415.6mm (L) x 319.6mm (W) x 105.74 (H)
Weight	8.3kg	
Operating Temperature	0°C ~ 50°C, 5-90% humidity	
Compliance	FCC, CE	
Connectivity	Ethernet: 100/1000Mbps RJ-45 cable connector for network connection USB 2.0	
Included Accessories	Setup guide, screw pack	
Mounting Options	Dry wall anchors (M8) and screws (M5)	

20 20K 40 40K



HID® Signo™ Readers

Models: 20, 40, 20K, 40K

READY FOR THE FUTURE NOW

- Mobile-ready by default, including Apple's Enhanced Contactless Polling (ECP) to support credentials in Apple Wallet
- Sleek, innovative design to suit modern architecture
- Integrated OSDP for secure authentication and configuration post installation
- Built on a hardware platform designed to be adaptable to support future technology
- Designed to seamlessly integrate into the HID Origo™ ecosystem

THE SIGNATURE LINE OF READERS FROM HID GLOBAL

- **Highly Versatile** — Support for the widest range of credential technologies, including HID Mobile Access® via native Bluetooth and Near Field Communication (NFC).
- **Unparalleled Performance** — Ultra secure storage of cryptographic keys on certified secure element hardware, plus a new surface detection feature that enables the reader to automatically recalibrate and optimize read range performance.
- **Connected to the Future** — All readers include out-of-the-box support for Open Supervised Device Protocol (OSDP) for secure bidirectional communication.

HID Signo™ is the signature line of physical access control readers from HID Global. The versatility, performance and connected capabilities of HID Signo readers set a new industry benchmark for the most highly adaptable, interoperable and secure approach to electronic access control.

Offering an unparalleled breadth of functionality, HID Signo affords security system installers and administrators a simple and effective approach to secure access control for almost any scenario.

With support for the widest array of credential technologies — past, present and future — HID Signo is the perfect choice for those looking to make the transition to a secure authentication technology.

HID Signo readers transcend the traditional approach to security by being designed to be connected and managed remotely without needing to physically touch each device. This functionality empowers access control systems to dynamically respond as new needs, configurations or threats arise.

POWERFULLY SECURE

- Multi-Layered security to ensure data authenticity and privacy
- EAL5+ Certified Secure Element Hardware
- Native OSDP secure channel capability
- Trusted secure authentication using the SJO data model
- Supports iCLASS Elite™ and Corporate 1000 Programs

MEET EVERY NEED, ADAPT TO ANY SITUATION

- Go mobile with native Bluetooth and NFC support
- Integrated 125 kHz credential read support for easy migration
- Supports over 15 common credential technologies
- Flush mount terminal block and pigtail wiring options
- Robust outdoor performance with an IP65 rating

MANAGE, UPGRADE AND CONFIGURE

- Easily and securely managed using HID Reader Manager™
- Configure via a mobile device or OSDP
- Update firmware in response to threats
- Personalize by configuring audio visual or keypad settings
- Deactivate legacy credential technology to conclude secure migration

SPECIFICATIONS

HID Signo Reader Model	20	20K	40	40K
2.4 GHz (Bluetooth) Credential Compatibility	Mobile Credentials powered by Seos [®] (HID Mobile Access)			
13.56 MHz (NFC) Credential Compatibility	Seos, iCLASS SE [®] , iCLASS SR [®] , iCLASS [®] , MIFARE Classic, MIFARE DESFire EV1/EV2, FeliCa [™] & Contactless e-Purse Application Specification (CEPAS), Mobile Credentials powered by Seos (HID Mobile Access)			
125 kHz Credential Compatibility	HID Proximity [®] , Indala [®] Proximity, AWID Proximity, and EM Proximity			
Typical Read Range¹	Seos [®] , MIFARE Classic, MIFARE DESFire EV1/EV2 & ISO14443A Single Technology Cards - 1.6 to 4 in (4 to 10 cm) HID / AWID Proximity [®] , Indala Proximity [®] , EM Proximity & 125 kHz Single Technology Cards - 2.4 to 4 in (6 to 10 cm)			
Mounting	Suited for mullion-mount door installations or any flat surface mounting		Suited to mount and cover single gang switch boxes with a slotted mounting plate for alternate back-box spacing	
Color	Black bezel with silver trim baseplate ²			
Keypad	No	Yes (2 x 6 layout)	No	Yes (3 x 4 layout)
Dimensions (width x length x depth)	1.77 in x 4.78 in x 0.77 in (45 mm x 121.5 mm x 19.5 mm)	1.78 in x 4.79 in x 0.85 in (45 mm x 121.5 mm x 21.5 mm)	3.15 in x 4.78 in x 0.77 in (80 mm x 121.5 mm x 19.5 mm)	3.16 in x 4.79 in x 0.85 in (80 mm x 121.5 mm x 21.5 mm)
Product Weight	Pigtail: 3.35 oz (95 g) Terminal: 2.65 oz (75 g)	Pigtail: 3.88 oz (110 g) Terminal: 3.17 oz (90 g)	Pigtail: 4.94 oz (140 g) Terminal: 4.23 oz (120 g)	Pigtail: 5.64 oz (160 g) Terminal: 4.94 oz (140 g)
Operating Voltage	12V DC			
Current Draw³	NSC ⁴ : 60 mA Peak: 250 mA Max. Avg: 70 mA IPM ⁵ : 45 mA	NSC ⁴ : 65 mA Peak: 250 mA Max. Avg: 75 mA IPM ⁵ : 48 mA	NSC ⁴ : 65 mA Peak: 250 mA Max. Avg: 75 mA IPM ⁵ : 45 mA	NSC ⁴ : 70 mA Peak: 250 mA Max. Avg: 80 mA IPM ⁵ : 55 mA
Device Input and Output	Input: Tri-color LED, Buzzer, Hold @ Active Low Output: Tamper Relay 0-60V DC @ 100mA Max (Dry Contact)			
Operating Temperature & Humidity	-31° F to +150° F (-35° C to +66° C) 0% to 95% non-condensing			
Storage Temperature	-40° F to +185° F (-40° C to +85° C)			
Environmental Rating	UL294 Outdoor and Indoor rated, IP65			
Transmit Frequency	125 kHz, 13.56 MHz, and 2.4 GHz			
Communications & Panel Connection	Wiegand, Clock-and-Data and RS-485 Half Duplex (OSDP) via Pigtail (18 in / 0.5 m) or Terminal Strip			
Device Management	HID Reader Manager / OSDP configuration			
Certifications	UL294/cUL (US), FCC (US), IC (Canada), CE (EU), RCM (Australia, New Zealand), SRRC (China), KCC (Korea), NCC (Taiwan), iDA (Singapore), RoHS, MIC (Japan), GreenCircle, Bluetooth SIG, and additional regions. www.hidglobal.com/certifications			
Security Ratings	EAL 5+ Certified Secure Element Hardware			
Patents	www.hidglobal.com/patents			
Housing Materials	Polycarbonate - UL94 V0			
UL Reference Number	20	20K	40	40K
Warranty	Limited Lifetime			



hidglobal.com

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Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 9171 1108

An ASSA ABLOY Group brand

- 1 Read range listed is statistical mean rounded to nearest centimeter increment for ID-1 or clamshell credentials. HID Global testing occurs in open air. Form factor, technology and environmental conditions, including metallic mounting surface, can degrade read range performance; plastic spacers are recommended to improve performance on metallic mounting surfaces.
- 2 Black trim baseplate & reader spacers available as an additional accessory at an additional cost.
- 3 Measured in accordance with UL294 standards; see Installation Guide for details.
- 4 NSC - Normal Standby Current; see Installation Guide for details.
- 5 Intelligent Power Management (IPM) - Reduces reader current consumption up to 43%, based on model, compared to standard operating mode.

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2020-09-21-nacs-signo-reader-family-ds-en PJ T-04R31



ASSA ABLOY

Rhombus
Video Surveillance

Pricing and Data Sheets

Product :: Camera Specs



R120

Model



D: 118 mm (4.64 in)
H: 90 mm (3.54 in)



2 MP image sensor
1920 x 1080
resolution



IP66
(indoor/outdoor)
IK10 (vandal-
resistant)



Up to 2MP Full HD



111° Diagonal FoV
104° Horizontal FoV
71° Vertical FoV



Supports Rhombus
Sensor Network



Have a question? The Rhombus
Team is here to help.

Night Vision: 100 ft. in low light

Aperture: F/2.0

	installation
Power Consumption:	10.5 watts
Onboard Storage:	Included high-endurance MicroSD: 128GB
Camera Dimensions:	118mm diameter, 90mm tall (4.64in diameter, 3.54in tall)
Operating Conditions:	Temperature -20C to 50C (-4° to 122°F); Humidity <95% RH
In the Box:	Torx key, mounting screws, anchors
Compliance:	FCC, CE, NDAA, TAA



R200

Model



D: 118 mm (4.64 in)
H: 90mm (3.54 in)



5 MP image sensor
2592 x 1944 resolution



IP66
(indoor/outdoor) /
IK10 (vandal-resistant)



Up to 5M Have a question? The Rhombus Team is here to help.



116° Diagonal FoV
104° Horizontal FoV
87° Vertical FoV



Supports Rhombus Sensor Network

Night Vision:	100 ft. in low light
Aperture:	F/2.0
Pan/Tilt/Zoom:	Up to 2x digital pan/tilt/zoom
Ethernet:	10/100 Mbps, MDI/MDI-X Auto-Sensing
Power over Ethernet:	Standard 802.3af for one-cable installation
Power Consumption:	10.5 watts
Onboard Storage:	Included high-endurance MicroSD: 128GGB, 256GB, 512GB, 1TB
Camera Dimensions:	118mm diameter, 90mm tall (4.64in diameter, 3.54in tall)
Operating Conditions:	Temperature -20C to 50C (-4° to 122° F); Humidity <95% RH
In the Box:	Torx key, mounting screws, anchors
Compliance:	FCC, CE, NDAA, TAA



R360

Model



Have a question? The Rhombus
Team is here to help.



D: 130 mm (5.11 in)
H: 58 mm (2.28 in)



12 MP Progressive
CMOS Sensor

180° Diagonal FoV
180° Horizontal FoV
180° Vertical FoV



Immersive 360° /
180° View

Night Vision:	100 ft. in low light
Aperture:	F/2.8
Ethernet:	10/100 Mbps, MDI/MDI-X Auto-Sensing
Power over Ethernet:	Standard 802.3af for one-cable installation
Power Consumption:	9.9 watts
Onboard Storage:	Included high-endurance MicroSD: 512GB, 1TB
Camera Dimensions:	130mm diameter, 58mm tall (5.11in diameter, 2.28in tall)
Operating Conditions:	Temperature -30° to 55°C (-22° to 131°F); Humidity 10% - 90% RH
In the Box:	Torx key, mounting screws, anchors, waterproof ethernet connector
Compliance:	FCC, CE, NDAA, TAA



R4C
Model

Have a question? The Rhombus Team is here to help.



 H: 118 mm (4.64 in)

 resolution

 IP66
(indoor/outdoor)
IK10 (vandal-resistant)

 Up to 4K Ultra HD

 102° - 44° Diagonal FoV
94° - 39° Horizontal FoV
62° - 22° Vertical FoV

Night Vision:	100 ft. in low light
Aperture:	F/1.5
Pan/Tilt/Zoom:	3x optical zoom plus up to 3x digital pan/tilt/zoom
Ethernet:	10/100 Mbps, MDI/MDI-X Auto-Sensing
Power over Ethernet:	Standard 802.3af for one-cable installation
Power Consumption:	11.7 watts
Onboard Storage:	Included high-endurance MicroSD: 512GB, 1TB
Camera Dimensions:	134mm diameter, 118mm t diameter, 4.64in tall
Operating Conditions:	Temperature -55C to 55C (- Humidity <90% RH
In the Box:	Torx key, mounting screws, anchors
Compliance:	FCC, CE, NDAA, TAA

Have a question? The Rhombus Team is here to help.



R500

Model



D: 92mm (3.22 in)
L: 225mm (8.85 in)



8 MP image sensor
3840 x 2160
resolution



IP66
(indoor/outdoor)



Up to 4K Ultra-HD



44° - 18° Diagonal
FoV
39° - 16° Horizontal
FoV
22° - 9° Vertical FoV

Night Vision: 130 ft. in low light

Aperture: F/1.5, P-iris

Pan/Tilt/Zoom: 2.5x optical zoom plus up to 3x digital pan/tilt/zoom

Ethernet: 10/100 Mbps, MDI/MDI-X /

Power over Ethernet: Standard 802.3af for one-c. installation

Power Consumption: 12.95 watts

Onboard Storage: Included high-endurance MicroSD:

Have a question? The Rhombus Team is here to help.

Operating Conditions: Temperature -55C to 55C (-67° to 131° F);
Humidity <95% RH

In the Box: Mounting screws and anchors

Compliance: FCC, CE, NDAA, TAA



R510

Model



D: 92mm (3.22 in)
L: 225mm (8.85 in)



8 MP image sensor
3840 x 2160
resolution



IP66
(indoor/outdoor)



Up to 4K Ultra-HD



102° - 44° Diagonal
FoV
94° - 39° Horizontal
FoV
62° - 22° Vertical FoV



Have a question? The Rhombus
Team is here to help.

Night Vision: 120 ft. in low light

Aperture: F/1.5

Power over Ethernet:	Standard 802.3af for one-cable installation
Power Consumption:	11.7 watts
Onboard Storage:	Included high-endurance MicroSD: 512GB, 1TB
Camera Dimensions:	92mm diameter, 225mm length (3.22 in, 8.85 in)
Operating Conditions:	Temperature -55C to 55C (-67° to 131° F); Humidity <95% RH
In the Box:	Mounting screws and anchors
Compliance:	FCC, CE, NDAA, TAA

Resources

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Have a question? The Rhombus Team is here to help.



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Have a question? The Rhombus
Team is here to help.

CelFi

Multi-Carrier Cellular Distribution System

Pricing and Data Sheets

CEL-FI[™] QUATRA 4000/4000i

Enterprise Cellular Coverage



Performance
Leadership



Ease of
Install



Leaders
in Value



Fast
Setup



Carrier Grade
Approved

Multi-Carrier Hybrid Active DAS for 3G/4G/5G Voice and Data

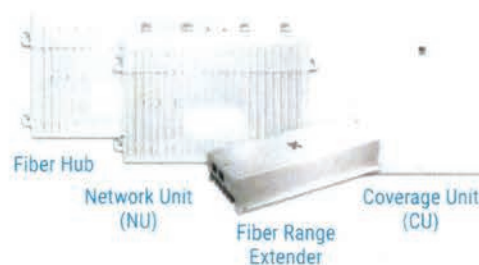
Spotty cellular coverage, poor voice quality, dropped calls, and dead zones continue to plague employees and visitors in middleprise buildings. To solve that problem, Cel-Fi QUATRA 4000 is an affordable, all-digital active DAS hybrid solution that provides uniform, high quality cellular signal throughout any building. This industry-leading system is also carrier approved and guaranteed network safe.







Unlike older analog boosters and passive DAS technology, Cel-Fi QUATRA delivers a cellular signal that is up to 1000x stronger. The system utilizes Cat5e cabling for RF and Power over Ethernet, with no signal attenuation to the Coverage Unit (CU) embedded service antennas. In addition to being the most powerful solution on the market, QUATRA is cost-effective and designed to be installed within days (compared to months typical of other solutions).

Perfect for creating the ideal system, Cel-Fi QUATRA 4000 is scalable to fit buildings of all sizes. Depending on the environment, size, and space, the system utilizes one or multiple Network Units (NUs), with each one providing power and distributing signal to up to six CUs. Together, the NUs and CUs support four operators.

IntelliBoost™ Chipset

The Nextivity IntelliBoost™ baseband processor is the first six-core processor designed specifically to optimize the indoor transmission and reception of 3G/4G/5G wireless signals. With advanced filtering, equalization and echo-cancellation techniques, Nextivity has developed an architecture which delivers unprecedented in-building data rates and pervasive 3G/4G/5G connectivity. The IntelliBoost™ processor ensures that Cel-Fi products never negatively impact the macro network while providing maximum coverage.



-  **Highest Coverage Gain:**
Up to 100 dB Max Gain for 3G/4G/5G Voice and Data
-  **All Digital:**
Cat5e PoE/RFoE Solution
-  **Scalable:**
Up to 125,000 ft² Coverage per Network Unit
-  **Multi Mode:**
Off-Air or SuperCell Mode with Fiber Expansion
-  **Network Safe:**
Carrier-Approved with No Noise Guaranty
-  **Cel-Fi WAVE Platform:**
Setup, Remote Monitoring, and Management

Cel-Fi QUATRA is designed to be scalable for installers.

CEL-FI WAVE COMPATIBILITY

Providing control and optimization insight, the Cel-Fi WAVE Portal is a web-based platform that enables an operator or integrator to remotely monitor equipment and system KPI's, such as channel configurations, RSRP, RSRQ, SINR, and system gains.

NETWORK SAFE

All Cel-Fi systems employ self-organizing edge intelligence to constantly monitor power levels and donor-to-server antenna RF feedback with active echo cancellation. This automatically ensures maximum coverage power without interfering with operator networks and other local radio systems.

OFF-AIR CONFIGURATION

QUATRA systems are capable of retransmitting donor signals from outdoor directional antennas to indoor locations. Unlike typical BDA amplifiers, each operator channel is individually processed and power controlled to achieve full coverage power. This eliminates channel-to-channel coverage power variations due to differences in power of donor signals.

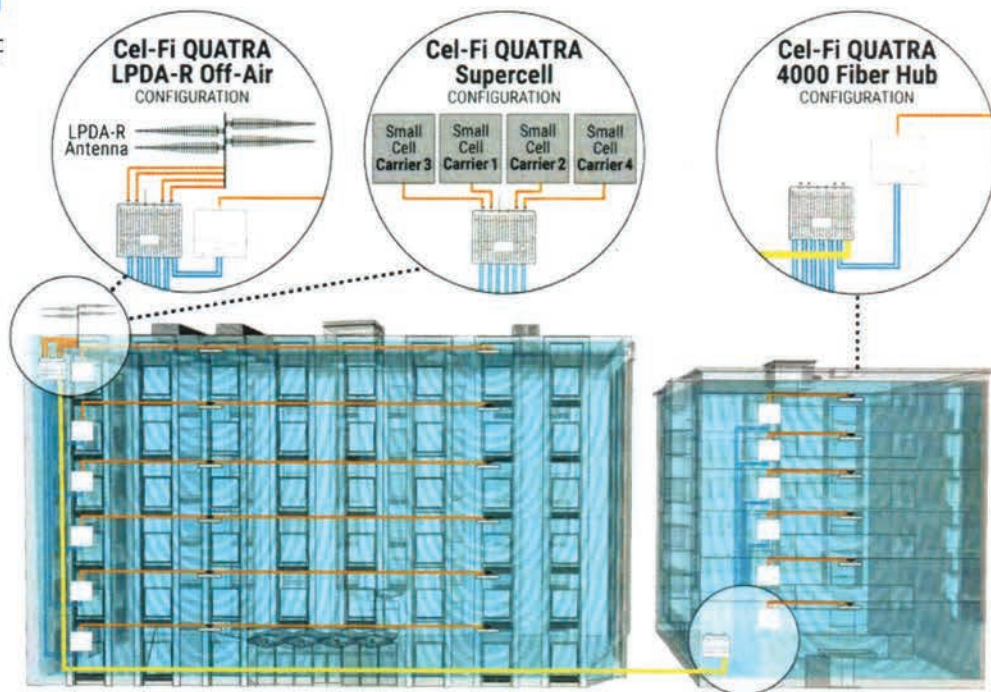
SUPERCCELL® CONFIGURATION

A Supercell is comprised of a Cel-Fi QUATRA connected to a single small cell, or multiple small cells, to form a Supercell. A Supercell with Cel-Fi QUATRA is more efficient than multiple small cells, and the CUs of a Cel-Fi QUATRA system connected to a Supercell do not interfere with one another.

FIBER EXTENSION

Expanding the capabilities of Cel-Fi QUATRA systems, the Cel-Fi QUATRA Fiber Range Extender (QFRE) increases the distance between the Network Unit and Coverage Unit up to 2.0 km (1.24 miles). This solution is ideal for high-rise structures, long distances, or multi-building facilities.

QUATRA 4000 is also compatible with the Cel-Fi QUATRA 4000 Fiber HUB, which offers the same distance flexibility as the QFRE and allows a single NU to support up to 12 CUs.



MODEL NUMBERS:		
QUATRA 4000 (Part 20) NU: Q44-1234CNU CU: Q41-5ECU Bands: 2/4/5/12/13/25	QUATRA 4000i (Part 90) NU: I44-1234CNU CU: I41-5ECU Bands: 2/4/5/12/13/25/26/30/41/71	QUATRA 4000/4000i Fiber Hub Unit: Q40-1234FNU

ASSESSORIES:

Cel-Fi QUATRA 4000 Range Extender



Cel-Fi QUATRA Fiber Range Extender



ANTENNAS:

Cel-Fi Blade Antenna (Included)



Cel-Fi LPDA-R High-Gain Directional Antenna



Cel-Fi Low-Profile Antenna



SOFTWARE:

Cel-Fi WAVE Management Portal



cel-fi.com/software

brief_quatra4000-4000i_21-0723

CEL-FI QUATRA 4000e

3G/4G/5G

In-building Cellular Solution

Cel-Fi QUATRA 4000e is an Active DAS Hybrid that solves the problem of indoor cellular coverage. Cel-Fi QUATRA 4000e delivers a cellular signal that is up to 1000x stronger, utilizing CAT 5e cabling for RF and Power over Ethernet. Cel-Fi QUATRA 4000e can be installed in just days, and at a price point that meets the middleprise budget. Cel-Fi QUATRA 4000e is carrier-grade, carrier-approved, and guaranteed network safe.

Benefits

- Scalable All-Digital PoE Cat5e Active DAS Hybrid for Middleprise
- Up to 100 dB (1000x Stronger Signal)
- Four Operator Solution
- 3G/4G/5G for Voice and Data
- Coverage Unit Ethernet Cable Lengths up to 300m
- Independent Donor Antenna or Small Cell Input per Operator
- Supports Cel-Fi WAVE Portal Cloud Management
- Carrier-Approved and Unconditionally Network Safe



Network Unit

Coverage Unit



CEL-FI QUATRA 4000e
NETWORK UNIT
Q44-E999CNU



CEL-FI QUATRA 4000e
COVERAGE UNIT
Q41-EECU



CEL-FI QUATRA 4000e
RANGE EXTENDER
Q40-OE



CEL-FI QUATRA 4000e
FIBER HUB
Q40-EFNU

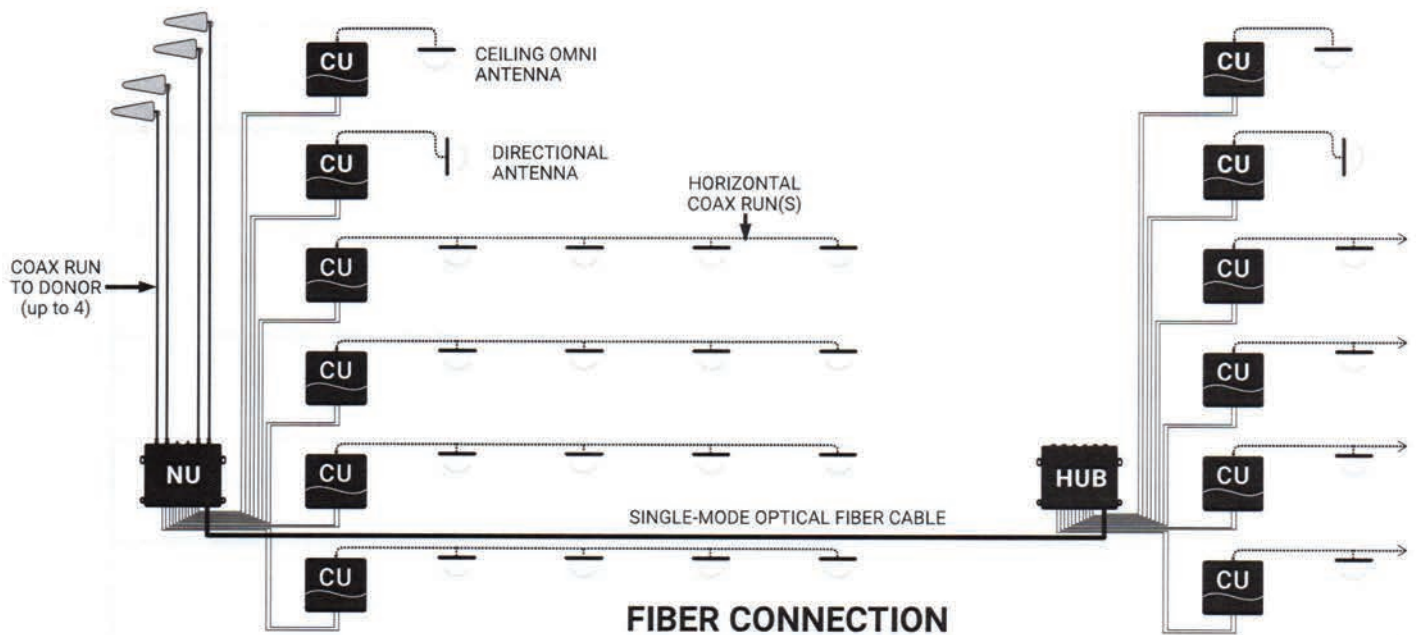
QUATRA 4000e BANDS			
BANDS	DOWNLINK MHz	UPLINK MHz	TECHNOLOGY/BANDWIDTH
1	2110-2170	1920-1980	LTE / 20MHz
3	1805-1880	1710-1785	LTE / 20MHz
7	2620-2690	2500-2570	LTE / 20MHz
8	925-960	880-915	HSPA / 15MHz
20	791-821	832-862	LTE / 10MHz
40	2300-2390	2300-2390	TDD LTE / 20MHz

QUATRA 4000e			
TRANSMIT EVM	UL	8.5%	16-QAM with full RB allocation
		8.5%	E-TM3.1
RETURN LOSS (DB)		At all ports	-8
DONOR ANTENNAS		One RF Port per Operator	
		Operators Supported (Max)	4
		Impedance (Ohms)	50
POWER	NU Internal Supply	Voltage (VAC)	100-240
		Power - Typical (W)	230
		Power - Max (W)	321.3
SUPPORTED CUs	Coverage Units	Number Supported (Max)	6
		Category Cables per CU	2
		Interface Type	RJ45
USER INTERFACE	Power/Status	LED	RED/GREEN
	CU Link	LED	GREEN
	Donor Antenna	LED	GREEN
	Cellular Modem	LED	RED / GREEN
	Ethernet	LED	Yes
	USB	n/a	Yes
MECHANICAL	Dimensions	L x W x H (mm)	330 x 272 x 85
	RF Port Connector	Weight (kg)	6.5
	Mounting		4.3 / 10
	Cooling	Wall	Yes
	Power / Status	Convection	Yes
	Power	AC to NU	Yes
		On/Off Switch	Yes
ENVIRONMENTAL	Maximum Surface Temperature (°C)	Measured at 30°C Ambient	44

COVERAGE UNIT			
RADIO SPECS	Frequency	Downlink (DL) Frequency (MHz)	791–2690
		Uplink (UL) Frequency (MHz)	832–2690
	DL Power (dBm)	Per Channel (Max)	16
NETWORK UNIT INTERFACE	Cables (2)	Type	Ethernet
		Length Cat5e Max (m)	100 (200 with QRE)
		Length Cat6 23 AWG Max (m)	150 (300 with QRE)
USER INTERFACE	Power / Status	LED	RED / GREEN
	NU Link	LED	GREEN
MECHANICAL	Dimensions	L×W×H (mm)	287×255×57
		Weight (kg)	3.9
	Mounting	Ceiling, Wall	Yes
STANDARDS			
ENVIRONMENTAL	3GPP Repeater Specs		Yes
	Operating Temperature	Ambient	0–40°C
	Relative Humidity	Non-Condensing	0–95%
	Ingress Protection (IP)		40

NOTE: Specifications subject to change.

6 STORY BUILDING: 1 NU to 6 CU's Plus a Fiber Connection to 1 NU to 6 CU's



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Model#: A62-V44-200

The Cel-Fi LPDA-R Antenna offers a powerful 12 to 14 dBi gain (depending on carrier frequency) over 617–4000 MHz and is designed to reduce out of band noise, to improve SiNR and overall signal quality. Mounting is made simple with included U-Bolts. This Cel-Fi product also features a 10K ohm resistor that enables the antenna connection to be validated by Cel-Fi Network Units equipped with the capability.

FEATURES

- 12–14 dBi gain
- Narrow beamwidth to reduce noise
- Rugged construction for harsh environments

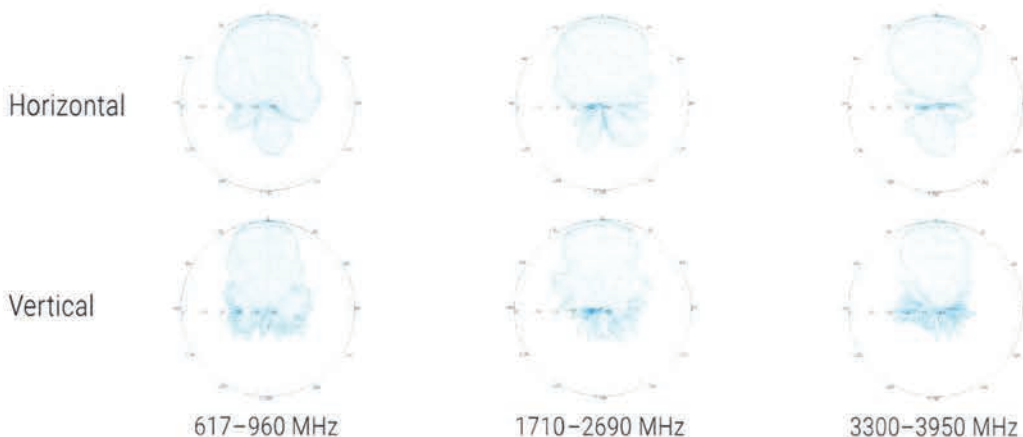
SPECIFICATIONS

ELECTRICAL

Frequency Range (MHz)	617–960	1710–2700	3300–4000
Gain (dBi)	12	14	12
VSWR	≤2.5	≤2.0	≤2.0
Polarization	Vertical		
Front to Back Ratio (dB)	≥24	≥24	≥13
Horizontal Beam Width	55°	42°	36°
Vertical Beam Width	46°	34°	32°
Input Impedance	50 Ohms		
Maximum Input Power	50W		
Lightning Protection	DC Ground		

MECHANICAL

Connector	N-Female
Dimensions	1280 mm
Weight	1.6 kg
Reflector Material	Aluminum
Rated Wind Velocity	210 km/h
Operating Temperature	-40°C to +65°C
Mounting Pole	Ø38–Ø52 mm



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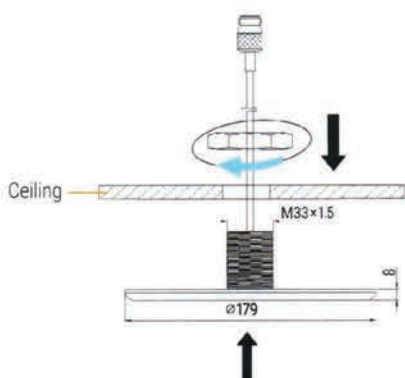
Cel-Fi™ LP SISO Indoor Omni Antenna

Smart Cellular Coverage



Model#: A11-H43-201

Nextivity's Cel-Fi LP SISO Indoor Omni Antenna provides a 360 degree horizontal coverage pattern in an ultra-modern, low-profile, high-performance industrial design.



FEATURES

- Indoor use
- SISO
- 50 ohm
- 617–4000 MHz
- N-type connector (other options available)
- Ultra low-profile

ELECTRICAL SPECIFICATIONS

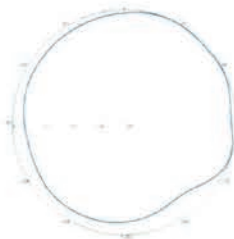
Frequency range (MHz)	617–960	1710–2700	3300–4000
Polarization	Linear, Horizontal		
Gain (dBi) Max	3	4	5
VSWR	≤1.5		
Azimuth Beam Width	360°, Omni-directional		
Impedance	50 ohm		
Intermodulation IM3 (2×43 dBm carrier)	≤-150		
Maximum Power	50W		

MECHANICAL SPECIFICATIONS

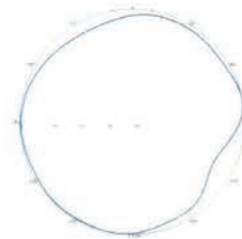
Connector	N-Female
Connector Position	Bottom
Height/Width/Depth	Φ179×8 mm
Packing Size	195×195×75 mm
Weight	220±10 g
Radome Material	ABS
Radome Color	White (RAL 9003)
Operating Temperature	40–60°C
Mounting	Fixed with nut



617–960 MHz



1710–2700 MHz



3300–4000 MHz

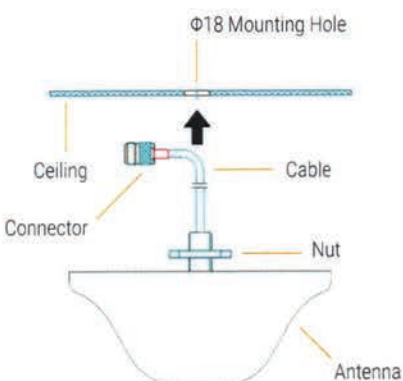
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Cel-Fi™ Indoor Omni Dome Antenna 2.0 **CEL-FI** Smart Cellular Coverage by NEXTIVITY



Model#: A11-V43-121

Nextivity's Indoor Omni Dome antenna provides a 360 degree horizontal coverage pattern in a modern, visually low-impact industrial design.

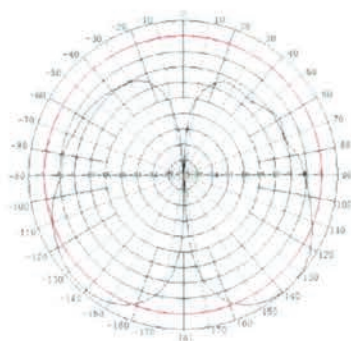


FEATURES

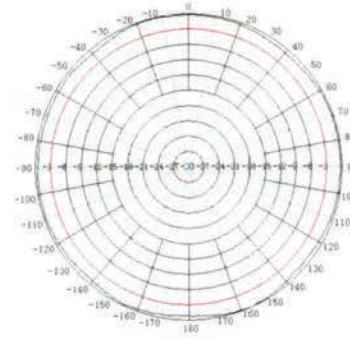
- Indoor Use
- SISO
- 50 ohm
- 698 - 5900 MHz
- N-type connector (other options available)

SPECIFICATIONS

Model	A11-V43-121
Frequency Range	698–5900 MHz
Gain	2–5.5 dBi
VSWR	≤2.0
Vertical Beamwidth	85°±30°
Impedance	50 ohms
Polarization	Vertical
Maximum Power	50W
Connector Position	Bottom
Connector	N-type Female
Dimensions	Φ186×81 mm
Weight	0.2 kg
Mounting	Fix with nut



V polarization



H polarization

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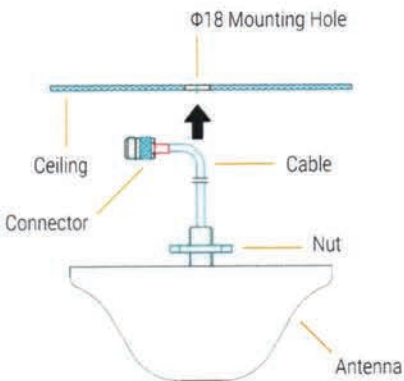
Cel-Fi™ Indoor Omni Dome Antenna 2.0

Smart Cellular Coverage



Model#: A11-V43-121

Nextivity's Indoor Omni Dome Antenna provides a 360 degree horizontal coverage pattern in a modern, visually low-impact industrial design.

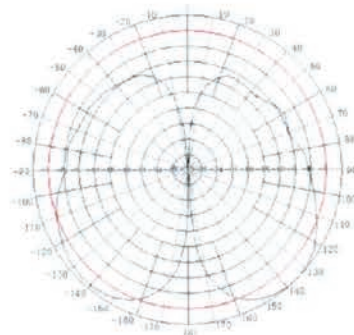


FEATURES

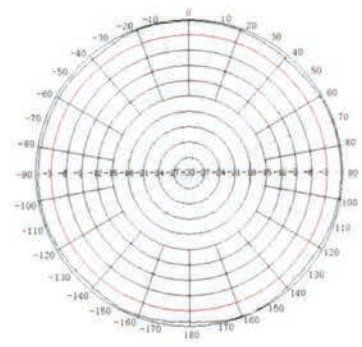
- Indoor Use
- SISO
- 50 ohm
- 698 - 5900 MHz
- N-type connector (other options available)

SPECIFICATIONS

Model	A11-V43-121
Frequency Range	698–5900 MHz
Gain	2–5.5 dBi
VSWR	≤2.0
Vertical Beamwidth	85°±30°
Impedance	50 ohms
Polarization	Vertical
Maximum Power	50W
Connector Position	Bottom
Connector	N-type Female
Dimensions	Φ186×81 mm
Weight	0.2 kg
Mounting	Fix with nut



V polarization



H polarization

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Kisi

Access Control Systems

Pricing and Data Sheets

Kisi Controller Pro

A powerful controller to rule over your access control system.

[Get quote](#)

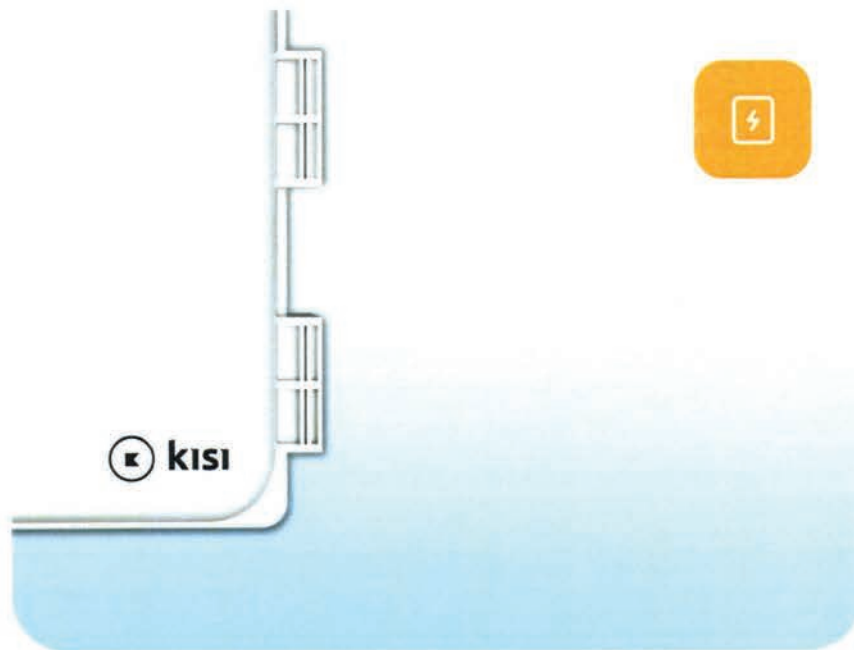
[Product overview](#)



Give your doors the power

Kisi Door Controller Pro is a smart and robust door access controller.

Whether it's doors, elevators, gates, or turnstiles, you can connect



Remote management simplified

Doors

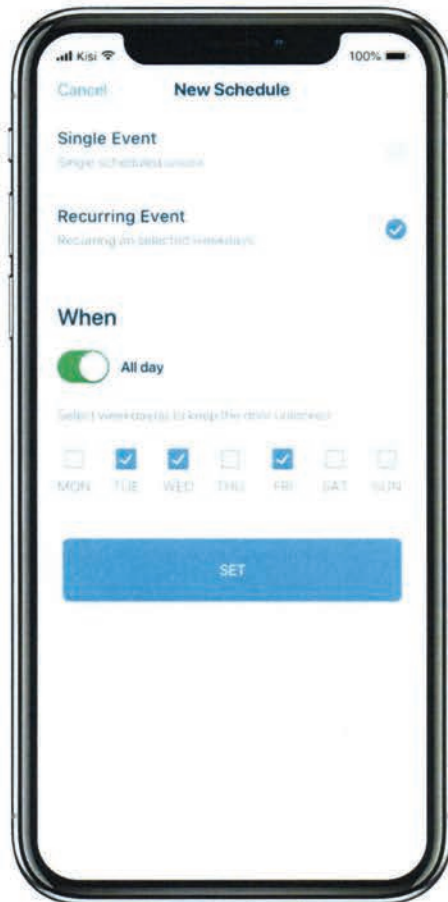
Manage doors and their schedules (including lockdowns) for all your facilities remotely.

Events

Monitor real-time access events wherever you are, with a live feed and system health status notifications delivered to your mobile.

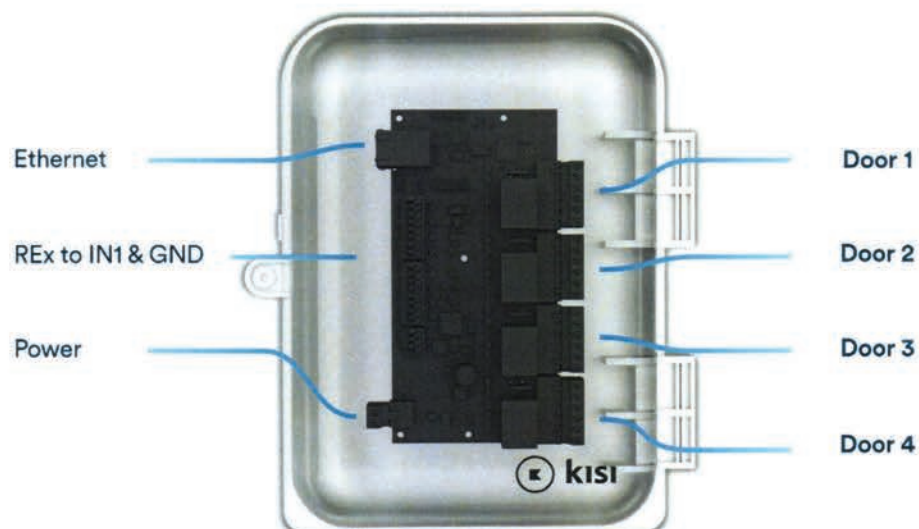
Users

Manage access rights from anywhere, including adding and removing users or admins, assigning credentials and setting access levels.



Keep tabs on your door

The Kisi Controller Pro is designed to be flexible and have multiple data in/outputs:



strikes or combine with external power supply.

Connectivity — Wi-Fi and/or Ethernet and automatic failover.

Door trigger — Connect standard wired electronic locks to the door trigger relay.

Door open/close — Connect exit buttons or motion sensors to track when the door opens or closes.

Fire safety — Compatible with typical Fire Access Control Panels (FACP).

How Kisi works

Kisi Controller Pro specifications

Dimensions and Housing

Height: 12 in / 30.48 cm

Width: 9 in / 22.86 cm

Depth: 3 in / 7.62 cm

Mounting: Screw-in wall

Color: White

Material: ABS

Power and Connectivity

Components

Safety features



[Download product sheet](#)

[Full installation guide](#)

Learn more about our products



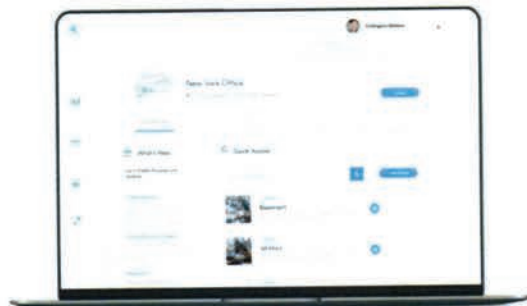
kisi

[LEARN MORE](#)



Wall reader

[LEARN MORE](#)





Cloud management

[LEARN MORE](#)

Experience the future of access control

[Get quote](#)

[Watch demo](#)

Kisi® Controller Pro

kisi

KCP50

Our controllers can be added as modules to scale with your space, regardless of size.

Key features

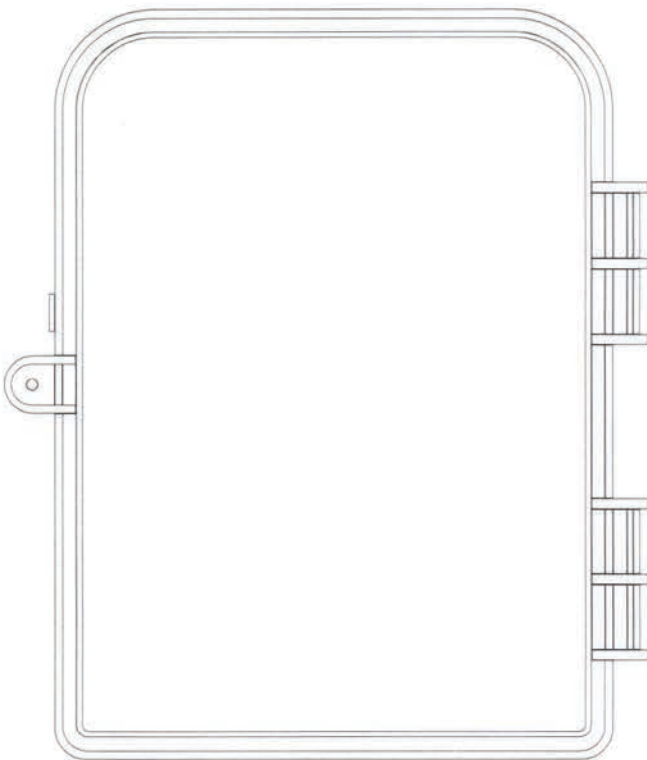
- 4 wet or dry door relays
- 4 door contact sensor inputs
- 4 request to exit inputs (ReX)
- Connectivity via Ethernet or WiFi
- Power supply included

The administrator experience benefits include

- Absolute control with the Kisi Dashboard for easy managing and programming of in- and outgoing connectors
- Plug & Play connection

Works with any existing electronic locks

- Mortise Locks
- Electric Strikes
- Magnetic Locks
- Panic Bars



Features

Power
24V DC

Connectivity
Ethernet (CAT6) and/or WiFi

Measurements (inches)
H12" W9" D 3"
Access Board: 161x81mm

getkisi.com

[Wiring handbook](#) →

Signal Wiring

4 Dry/Wet relays wiring to
door security hardware
4 Door Contact Sensors
4 Request to Exit Sensors

Relays

Dry
12/24VDC Wet (max 0.25A x
24V or 0.5A x 12V per relay)

Mounting

Screw-in-Wall

Eagle Eye Solutions
Video Surveillance

Pricing and Data Sheets



CLOUD VIDEO SURVEILLANCE

Eagle Eye Cloud VMS Product Catalog

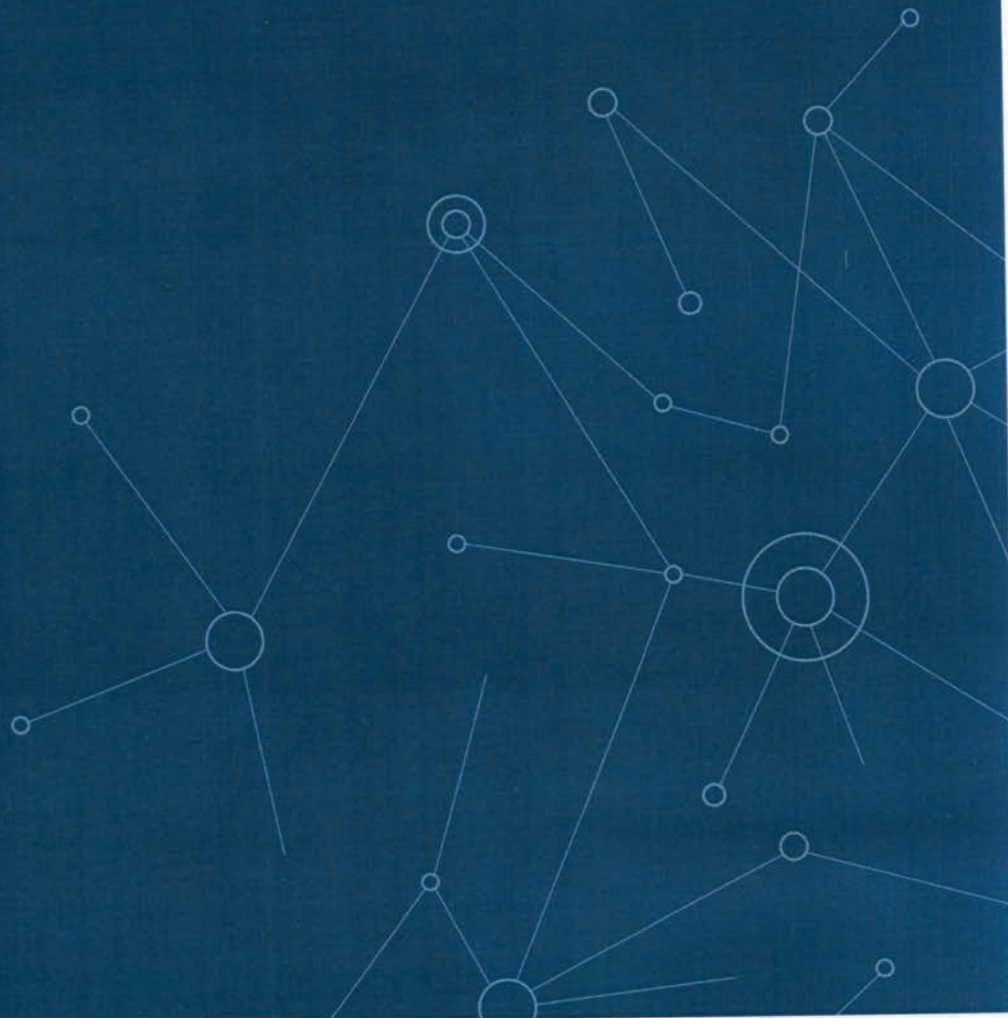




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Eagle Eye CMVRs	7
Eagle Eye Switches	
Eagle Eye Local Display Stations	12

COMPANY OVERVIEW

Smart, Simple, Cloud Video Surveillance for Your Business

Your security system should not only protect your people and property, it should also provide insight to help your business grow and thrive. It's Eagle Eye Networks mission to help you do just that.

We're leaders in delivering the power, flexibility, and cost-savings of cloud technology to the video surveillance market, helping you improve operations and enhance customer service, all while keeping an eye on what truly matters.

Whether you run a small business, global enterprise, or something in-between, you need a video solution capable of adapting to your needs – today and tomorrow. The Eagle Eye Cloud Video Management System (VMS) simplifies video surveillance through the flexibility of cloud paired with the convenience of easy, affordable installation and remote management.




A BRIDGE TO EVERYWHERE

Eagle Eye Bridges

An Eagle Eye Bridge is an on-premise device used by the Eagle Eye Cloud VMS to connect cameras to Eagle Eye cloud data centers. Offered in various configurations, the bridges enable you to receive and analyze video from your cameras. In addition, they provide on-premise buffering for bandwidth management and encrypted transmission to the cloud.

Compact Bridges




These small form factor bridges are suitable for applications up to 16 cameras at 4 MP when a server rack is not available. They are suitable for wall or shelf mounting. The Bridge 304w is designed to support WiFi cameras. The Bridge 305 is a ruggedized, all aluminum version with a broader industrial temperature range and includes 4 POE ports for direct camera connection. It's sometimes used in vehicle applications. The Bridge 306 provides support for the largest number of cameras.

	BRIDGE 304	BRIDGE 304w	BRIDGE 305	BRIDGE 306
				
Max Cameras*	Up to 12 IP Cameras @4MP	Up to 12 IP Cameras @4MP 4 WiFi	Up to 12 IP Cameras @4MP 4 POE	Up to 16 IP Cameras @4MP
Max Analytic Count*	5	5	5	10
Video Buffer	2 days on-premise	2 days on-premise	2 days on-premise	2 days on-premise
POE Camera Ports	None	None	4 port, Class 3	None
Network Ports	Dual Gigabit	Dual Gigabit	1 Gigabit, 4X100 Megabit	Dual Gigabit
Video Output	HDMI (1), DP (1)	HDMI (1), DP (1)	HDMI (1), DP (1)	HDMI (1), DP (1)
Dimension	120 x 127 x 50 mm 5.00 x 5.01 x 1.75 in	125 x 127 x 50 mm 5.00 x 5.01 x 1.75 in	172 x 127 x 75 mm 6.75 x 5.01 x 3.00 in	127 x 125 x 52 mm 5.01 x 5.00 x 2.26 in
Maximum Power Consumption	External 100-240 VAC, 20 W	External 100-240 VAC, 20 W	External 100-240 VAC, 22 W	External 100-240 VAC, 25 W
Operating Temperature Range	0-35° C 32-95° F	0-35° C 32-95° F	-10-55° C 14-122° F	0-40° C 32-104° F
Operating Humidity Range	0-70%	0-70%	0-70%	0-70%
Certifications	FCC, UL, PSE, CE, CCC (S&E), REACH, RoHS, C-Tick	FCC, UL, PSE, CE, CCC (S&E), REACH, RoHS, C-Tick	FCC, UL, PSE, CE, CCC (S&E), REACH, RoHS, C-Tick	FCC, UL, PSE, CE, CCC (S&E), REACH, RoHS, C-Tick
Rapid Replacement Part Numbers	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)

*Typical - please utilize the Eagle Eye VMS Bridge Wizard for precise capacity




Compact Bridges

These small form factor bridges are suitable for applications up to 35 cameras at 4 MP when a server rack is not available. They can be wall or shelf mounted. This family of bridges are equipped with ruggedized, all- aluminum enclosures designed to operate in a broad ambient temperature range. These bridges include a display screen providing operational status at a glance.




	BRIDGE 304+	BRIDGE 306+	BRIDGE 404+
			
Max Cameras*	Up to 20 IP Cameras @4MP	Up to 25 IP Cameras @4MP	Up to 35 IP Cameras @4MP
Max Analytic Count*	5	10	15
Video Buffer	2 days on-premise	2 days on-premise	2 days on-premise
Network Ports	Dual Gigabit	Dual Gigabit	Dual Gigabit
Video Output	HDMI (1), DP (1)	HDMI (1), DP (1)	HDMI (1)
Dimension	180x 127 x 64 mm 7.08 x 5.00 x 2.50 in	180x 127 x 64 mm 7.08 x 5.00 x 2.50 in	180x 127 x 64 mm 7.08 x 5.00 x 2.50 in
Maximum Power Consumption	External 100-240 VAC, 20 W	External 100-240 VAC, 25 W	External 100-240 VAC, 30 W
Operating Temperature Range	-10-50° C 14-122° F	-10-50° C 14-122° F	-10-50° C 14-122° F
Operating Humidity Range	0-70%	0-70%	0-70%
Certifications	FCC, UL, CE, UKCA, NOM, ACM, RoHS, CTick	FCC, UL, CE, UKCA, NOM, ACM, RoHS, CTick	FCC, UL, CE, UKCA, NOM, ACM, RoHS, CTick
Rapid Replacement Part Numbers	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)

Rack Bridges

These 1U rack-based bridges are designed to fit in standard equipment rack. The rack mount bridges are offered in a range of sizes to support larger number of cameras. Versions are available with analog camera interfaces to allow direct connection of existing NTSC and PAL cameras. Versions are also available with integrated POE ports for direct connection of IP cameras.

	BRIDGE 301	BRIDGE 303	BRIDGE 310
			
Max Cameras*	Up to 20 IP Cameras @4MP	Up to 20 IP Cameras @4MP	8 Analog (NTSC/PAL) or up to 20 IP Cameras @4MP
Max Analytic Count*	5	5	5
Video Buffer	2 days on-premise	2 days on-premise	2 days on-premise
POE Camera Ports	None	8 port, Class 3	None
Network Ports	Dual Gigabit	Dual Gigabit	Dual Gigabit
Video Output	VGA (1), DVI (1)	VGA (1), DVI (1)	VGA (1), HDMI (1), DP (1)
Dimension	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U
Maximum Power Consumption	Internal 100-240 VAC, 65 W	Internal 100-240 VAC, 42 W	Internal 100-240 VAC, 55 W
Operating Temperature Range	0-35° C 32-95° F	0-35° C 32-95° F	0-35° C 32-95° F
Operating Humidity Range	0-70%	0-70%	0-70%
Certifications	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)
Rapid Replacement Part Numbers	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)

Rack Bridges

	BRIDGE 401	BRIDGE 403	BRIDGE 410	BRIDGE 501
				
Max Cameras*	Up to 35 IP Cameras @4MP	Up to 35 IP Cameras @4MP	16 Analog (NTSC/PAL) or up to 35 IP Cameras @4MP	Up to 50 IP Cameras @4MP
Max Analytic Count*	10	10	10	10
Video Buffer	2 days on-premise	2 days on-premise	2 days on-premise	2 days on-premise
POE Camera Ports	None	8 port, Class 3	None	None
Network Ports	Dual Gigabit	Dual Gigabit	Dual Gigabit	Dual Gigabit
Video Output	VGA (1), HDMI (1), DP (1)	VGA (1), HDMI (1), DP (1)	VGA (1), HDMI (1), DP (1)	VGA (1), HDMI (1), DP (1)
Dimension	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U
Maximum Power Consumption	Internal 100-240 VAC, 50 W	Internal 100-240 VAC, 60 W	Internal 100-240 VAC, 110 W	Internal 100-240 VAC, 120 W
Operating Temperature Range	0-35° C 32-95° F	0-35° C 32-95° F	0-35° C 32-95° F	0-35° C 32-95° F
Operating Humidity Range	0-70%	0-70%	0-70%	0-70%
Certifications	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)
Rapid Replacement Part Numbers	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)	EN-RR000-1 (Monthly) EN-RR000-12 (Yearly)

*Typical - please utilize the Eagle Eye VMS Bridge Wizard for precise capacity


STORE AND VIEW LOCALLY LONGER

Eagle Eye CMVRs

The Eagle Eye Cloud Managed Video Recorder (CMVR) addresses bandwidth challenges and redundant storage needs. Similar to a bridge in that it's a local device that connects cameras to the cloud, our CMVR has the added ability to store video locally. We offer a full range of CMVRs from compact to enterprise and everything in between.

Compact CMVRs

These small form factor CMVRs are suitable for applications up to 8 cameras at 4 MP when a server rack is not available. They are suitable for wall or shelf mounting. The CMVR 225/325 is a ruggedized, all aluminum version with a broader industrial temperature range and includes 4 POE ports for direct camera connection. It is sometimes utilized in vehicle applications.

	CMVR 224	CMVR 225	CMVR 324	CMVR 325
				
Max Cameras*	Up to 6 IP Cameras @4MP	Up to 6 IP Cameras @4MP	Up to 8 IP Cameras @4MP	Up to 8 IP Cameras @4MP
Max Analytic Count*	5	5	5	5
Storage Capacity	1 TB 30 days for 6 cameras @1MP	1 TB 30 days for 6 cameras @1MP	2 TB 45 days for 8 cameras @1MP	2 TB 45 days for 8 cameras @1MP
POE Camera Ports	None	4 port, Class 3	None	4 port, Class 3
Network Ports	Dual Gigabit	1 Gigabit, 4X100 Megabit	Dual Gigabit	1 Gigabit, 4X100 Megabit
Video Output	HDMI (1), DP (1)	HDMI (1), DP (1)	HDMI (1), DP (1)	HDMI (1), DP (1)
Dimension	125 x 127 x 47 mm 5.00 x 5.01 x 1.75 in	127 x 172 x 75 mm 5.00 x 6.77 x 2.95 in	125 x 127 x 47 mm 5.00 x 5.01 x 1.75 in	127 x 172 x 75 mm 5.00 x 6.77 x 2.95 in
Maximum Power Consumption	External 100-240 VAC, 20 W	External 100-240 VAC, 22 W	External 100-240 VAC, 20 W	External 100-240 VAC, 22 W
Operating Temperature Range	0-35° C 32-95° F	-10-50° C 14-122° F	0-35° C 32-95° F	-10-50° C 14-122° F
Operating Humidity Range	0-70%	0-70%	0-70%	0-70%
Certifications	FCC, UL, PSE, CE, CCC (S&E), ICES-3(B), NMB-3 (B)	UL, CE, PSE, CB, TIS	FCC, UL, CE, PCE, CCC (S&E), RoHS, ICES-3(B), NMB-3 (B)	UL, CE, PSE, CB, TIS
Rapid Replacement Part Numbers	EN-RR224-1 (Monthly) EN-RR224-12 (Yearly)	EN-RR225-1 (Monthly) EN-RR225-12 (Yearly)	EN-RR324-1 (Monthly) EN-RR324-12 (Yearly)	EN-RR325-1 (Monthly) EN-RR325-12 (Yearly)

*Typical - please utilize the Eagle Eye VMS Bridge Wizard for precise capacity

Compact CMVRs






These two small form factor CMVRs are suitable for applications up to 12 cameras at 4MP when a server rack is not available. They can be wall or shelf mounted. Both CMVRs are equipped with all-aluminum, ruggedized enclosures designed to operate in a broad ambient temperature range, and can be wall or shelf mounted. The display screen on the CMVRs provides network connection and operational status at a glance for ease of install and ease of use.

	CMVR 224+	CMVR 324+
		
Max Cameras*	Up to 6 IP Cameras @4MP	Up to 12 IP Cameras @4MP
Max Analytic Count*	5	5
Storage Capacity	2 TB 60 days for 6 cameras @1MP	4 TB 60 days for 12 cameras @1MP
POE Camera Ports	None	None
Network Ports	Dual Gigabit	Dual Gigabit
Video Output	HDMI (1), VGA (1)	HDMI (1), VGA (1)
Dimension	180x 127 x 64 mm 7.08 x 5.00 x 2.50 in	180x 127 x 64 mm 7.08 x 5.00 x 2.50 in
Maximum Power Consumption	External 100-240 VAC, 20 W	External 100-240 VAC, 20 W
Operating Temperature Range	-10-50° C 14-122° F	-10-50° C 14-122° F
Operating Humidity Range	0-70%	0-70%
Certifications	FCC, UL, CE, UKCA, PSE, NOM, ACM, RoHS, CTick, WEEE	FCC, UL, CE, UKCA, PSE, NOM, ACM, RoHS, CTick, WEEE
Rapid Replacement Part Numbers	EN-RR224p-1 (Monthly) EN-RR224p-12 (Yearly)	EN-RR324p-1 (Monthly) EN-RR324p-12 (Yearly)

*Typical - please utilize the Eagle Eye VMS Bridge Wizard for precise capacity

Rack CMVRs

These 1U rack-based CMVRs are designed to fit in standard equipment rack. The rack mount CMVRs are offered in a range of sizes to support larger camera counts. Versions are available with analog camera interfaces to allow direct connection of existing NTSC and PAL cameras. Versions are also available with integrated POE ports for direct connection of IP cameras.

	CMVR 320	CMVR 323	CMVR 330	CMVR 420	CMVR 430
					
Max Cameras*	Up to 20 IP Cameras @4MP	Up to 20 IP Cameras @4MP	8 Analog (NTSC/PAL) or up to 20 IP Cameras @4MP	Up to 35 IP Cameras @4MP	16 Analog (NTSC/PAL) or up to 35 IP Cameras @4MP
Max Analytic Count*	5	5	5	10	10
Storage Capacity	4 TB 35 days for 20 cameras @1MP	4 TB 35 days for 20 cameras @1MP	4 TB 35 days for 20 cameras @1MP	10 TB 50 days for 35 cameras @1MP	6 TB 30 days for 35 cameras @1MP
Network Ports	Dual Gigabit	Dual Gigabit	Dual Gigabit	Dual Gigabit	Dual Gigabit
Video Output	VGA (1), DVI (1)	VGA (1), DVI (1)	VGA (1), HDMI (1), DP (1)	VGA (1), HDMI (1), DP (1)	VGA (1), HDMI (1), DP (1)
POE Camera Ports	None	8 port, Class 3	None	None	None
Dimension	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U	427 x 251 x 45 mm 16.81 x 9.88 x 1.75 in 1U
Maximum Power Consumption	Internal 100-240 VAC, 65 W	Internal 100-240 VAC, 65 W	Internal 100-240 VAC, 55 W	Internal 100-240 VAC, 50 W	Internal 100-240 VAC, 110 W
Operating Temperature Range	0-35° C 32-95° F	0-35° C 32-95° F	0-35° C 32-95° F	0-35° C 32-95° F	0-35° C 32-95° F
Operating Humidity Range	0-70%	0-70%	0-70%	0-70%	0-70%
Certifications	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)
Rapid Replacement Part Numbers	EN-RR320-1 (Monthly) EN-RR320-12 (Yearly)	EN-RR323-1 (Monthly) EN-RR323-12 (Yearly)	EN-RR330-1 (Monthly) EN-RR330-12 (Yearly)	EN-RR420-1 (Monthly) EN-RR420-12 (Yearly)	EN-RR430-1 (Monthly) EN-RR430-12 (Yearly)

*Typical - please utilize the Eagle Eye VMS Bridge Wizard for precise capacity

Enterprise CMVRs

These larger Enterprise class CMVRs are designed with redundant power supplies and redundant storage systems to provide maximum reliability. To ensure critical video content availability these systems utilize RAID (Redundant Array of Independent Disk) storage. These CMVRs can be combined and configured to support any number of cameras.

	CMVR 520	CMVR 620	CMVR 820
			
Max Cameras*	Up to 50 IP Cameras @4MP	Up to 100 IP Cameras @4MP	Up to 165 IP Cameras @4MP
Max Analytic Count*	20	30	40
Storage Capacity	40TB (raw), 30TB (useable) RAID 5 30 days for 40 cameras @4MP	64TB (raw), 48TB (useable) RAID 5 30 days for 60 cameras @4MP	120 TB (raw), 100TB (useable) RAID 6 30 days for 130 cameras @4MP
Network Ports	Dual Gigabit	Dual Gigabit	Dual Gigabit
Video Output	HDMI (1), VGA (1), DP (1)	HDMI (1), VGA (1), DP (1)	HDMI (1), VGA (1), DP (1)
Dimension	437 x 503 x 43 mm 17.20 x 19.85 x 1.70 in 1U	437 x 503 x 43 mm 17.20 x 19.85 x 1.70 in 1U	437 x 647 x 89 mm 17.20 x 25.50 x 3.50 in 2U
Maximum Power Consumption	Internal 100-240 VAC, 160 W	Internal 100-240 VAC, 210 W	Dual Internal, Swappable 100-240 VAC, 280 W
Operating Temperature Range	0-35° C 32-95° F	0-35° C 32-95° F	0-35° C 32-95° F
Operating Humidity Range	0-70%	0-70%	0-70%
Certifications	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)	FCC, UL, PSE, CE, CCC (S&E)
Rapid Replacement Part Numbers	EN-RR520-1 (Monthly) EN-RR520-12 (Yearly)	EN-RR620-1 (Monthly) EN-RR620-12 (Yearly)	EN-RR820-1 (Monthly) EN-RR820-12 (Yearly)

*Typical - please utilize the Eagle Eye VMS Bridge Wizard for precise capacity

SWITCH TO THE BEST

Eagle Eye Switches

Our PoE (power over ethernet) switches serve as regular network switches, plus they provide power to the system's cameras. Eagle Eye's managed PoE switches allow authorized users to power cycle individual cameras on a port-by-port basis from within the Eagle Eye Cloud VMS user interface. These PoE switches give you faster installations, easier maintenance, reduced service calls, and better visibility into your camera operations.

	SWITCH SW05m	SWITCH SW10m	SWITCH SW18m	SWITCH SW26m
				
Total Number of Ports	5	10	18	26
POE Ports	4	8	16	24
Uplink Ports	1	2 (+1 Gig Combo, +1 Gig SFP Uplink)	2 (+2 Gig Combo Uplink)	2 (+2 Gig Combo Uplink)
Power Supply	External Power Supply	External Power Supply	Built-In Power Supply	Built-In Power Supply
Voltage Range	AC100-240V	AC100-240V	AC100-240V	AC100-240V
Maximum Power Budget	60W	125W	250W	370W
Speed	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
Dimension	119 x 85 x 28 mm 4.70 x 3.30 x 1.10 in	218 x 107 x 29 mm 8.60 x 4.20 x 1.10 in	440 x 200 x 44 mm 17.30 x 7.90 x 1.70 in	440 x 200 x 44 mm 17.30 x 7.90 x 1.70 in
Switching Capacity	1G	5.6G	7.2G	8.8G
MAC Address	2K MAC address table	4K MAC address table	4K MAC address table	4K MAC address table
Temperature Range	-10-55° C 14-131° F	0-40° C 32-104° F	0-40° C 32-104° F	0-40° C 32-104° F
Storage Temperature	-40-70° C -40-158° F	-40-70° C -40-158° F	-40-70° C -40-158° F	-40-70° C -40-158° F
POE Specifications	-F 802.3af & 802.3at	-F 802.3af & 802.3at	-F 802.3af & 802.3at	-F 802.3af & 802.3at
Rack Mountable	No	No	Yes (Mount Ears Included)	Yes (Mount Ears Included)

THE WORLD AT YOUR FINGERTIPS

Eagle Eye Local Display Stations

The Eagle Eye Local Display Station is a surveillance station that enables you to view live video without the cost, complexity, and maintenance of a workstation. It provides video from multiple cameras at full resolution on a live monitoring station, displaying up to 164 cameras across multiple display pages with ultra low latency; crisp, clear video; and customizable layouts.

	LOCAL DISPLAY STATION DS100	LOCAL DISPLAY STATION DS200
		
Resolution Out	1080p (1)	4K (1), 1080p (2)
Streams	Up to 32 (Max. 16 on-screen)	Up to 64 (Max. 16 on-screen)
Data Rates	Up to 54 Mbps	Up to 160 Mbps
Video Output	Full Size HDMI 1.4 (1)	Full Size HDMI 1.4* (2)
Web Tiles	Supported: Max. 1 recommended	Supported: Max. 3 recommended
Network Ports	Gigabit	Gigabit, 802.11 ac WiFi
Power	5V AC-DC power adapter, 6 W	19V AC-DC power adapter, 25 W
Temperature Range	0-50° C 32-122° F	0-40° C 32-104° F
Dimensions	95 x 66 x 45 mm 3.74 x 2.58 x 1.77 in.	95 x 66 x 45 mm 4.60 x 1.41 x 4.40 in.
USB	USB 3.0 (1), USB 2.0 (4)	USB 3.1 (4), USB C Display Out (1)
Rapid Replacement Part Numbers	EN-RRDS01-01 (Monthly) EN-RRDS01-12 (Yearly)	EN-RRDS02-01 (Monthly) EN-RRDS02-12 (Yearly)

LEARN MORE
Visit our website
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CLOUD VIDEO SURVEILLANCE

Eagle Eye Cloud VMS Camera & Accessory Catalog





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COMPANY OVERVIEW

Smart, Simple, Cloud Video Surveillance for Your Business

Your security system should not only protect your people and property, it should also provide insight to help your business grow and thrive. It's Eagle Eye Networks mission to help you do just that.

We're leaders in delivering the power, flexibility, and cost-savings of cloud technology to the video surveillance market, helping you improve operations and enhance customer service, all while keeping an eye on what truly matters.




Whether you run a small business, global enterprise, or something in-between, you need a video solution capable of adapting to your needs – today and tomorrow. The Eagle Eye Cloud Video Management System (VMS) simplifies video surveillance through the flexibility of cloud paired with the convenience of easy, affordable installation and remote management.





DON'T LOSE YOUR INVESTMENT, CHOOSE YOUR INVESTMENT





Eagle Eye Cameras

Don't get locked into any one camera brand or model, or get forced into ripping and replacing your existing cameras. The Eagle Eye Cloud VMS supports more than 4,000 cameras from all the leading manufacturers, but if you're looking to buy new cameras, Eagle Eye Cameras offer a secure, plug-and-play installation.

Camera models are suitable for indoor and outdoor use for a wide range of applications. The cameras come pre-configured to securely operate with the Eagle Eye Cloud Security VMS and Eagle Eye CameraManager.

	CAMERA DM08	CAMERA DB10	CAMERA DB11	CAMERA DB12
				
Description	High-performance, indoor/outdoor, mini dome with integrated microphone.	Ultra-lowlight, indoor/outdoor, waterproof mini bullet.	Ultra-lowlight, indoor/outdoor, waterproof mini bullet.	High-performance, indoor/outdoor, waterproof mini bullet.
Resolution	4 Mega Pixels	4 Mega Pixels	4 Mega Pixels	8 Mega Pixels
Lens	3.6mm or 2.8mm	2.8mm	2.7 – 13.5mm Motorized Lens	2.8mm
Night Vision	IR LEDs with up to 15m range	Smart IR LEDs with up to 30m range	Smart IR LEDs with up to 40m range	Smart IR LEDs with up to 30m range
Dynamic Range	WDR (120dB) and HLC/BLC	WDR (120dB) and HLC/BLC	WDR (120dB) and HLC/BLC	WDR (120dB) and HLC/BLC
Housing	Durable All Aluminum	Durable All Aluminum	Durable All Aluminum	Durable All Aluminum
Ingress Protection	IP67	IP67	IP67	IP67
Streaming Protocol	Triple RTSP Streams	Quad RTSP Streams	Triple RTSP Streams	Triple RTSP Streams
Applications	Best for small indoor areas: stock room, lobby, hallways, elevators, IT closets, storage rooms, entrances, interview rooms.	Best for small indoor areas: stock room, lobby, hallways, elevators, IT closets, storage rooms, entrances, interview rooms.	Best for modest outdoor areas or large indoor areas: Small Parking lots, fields, parking garages, work yards, back yards, outdoor entrances, warehouses.	Best for small indoor areas: stock room, lobby, hallways, elevators, IT closets, storage rooms, entrances, interview rooms.

	CAMERA DB13	CAMERA DD07	CAMERA DD08	CAMERA DD09
				
Description	High-performance, indoor/outdoor, waterproof bullet.	Ultra-lowlight, indoor/outdoor, waterproof vandal dome.	Ultra-lowlight, indoor/outdoor, waterproof vandal dome.	High-performance, indoor/outdoor, waterproof vandal dome.
Resolution	8 Mega Pixels	4 Mega Pixels	4 Mega Pixels	4 Mega Pixels
Lens	2.7 - 13mm Motorized Lens	2.8mm	2.7 – 13.5mm Motorized Lens	2.7 – 13.5mm Motorized Lens
Night Vision	Smart IR LEDs with up to 40m range	Smart IR LEDs with up to 30m range	Smart IR LEDs with up to 30m range	Smart IR LEDs with up to 30m range
Dynamic Range	WDR (120dB) and HLC/BLC	WDR (120dB) and HLC/BLC	WDR (120dB) and HLC/BLC	WDR (120dB) and HLC/BLC
Housing	Durable All Aluminum	Durable All Aluminum	Durable All Aluminum	Durable All Aluminum
Ingress Protection	IP67	IP67 & IK10	IP67 & IK10	IP67 & IK10
Streaming Protocol	Triple RTSP Streams	Quad RTSP Streams	Triple RTSP Streams	Triple RTSP Streams
Applications	Best for modest outdoor areas or large indoor areas: Small Parking lots, fields, parking garages, work yards, back yards, outdoor entrances, warehouses.	Best for small indoor areas: stock room, lobby, hallways, elevators, IT closets, storage rooms, entrances, interview rooms.	Best for modest outdoor areas or large indoor areas: Small Parking lots, fields, parking garages, work yards, back yards, outdoor entrances, warehouses.	Best for modest outdoor areas or large indoor areas: Small Parking lots, fields, parking garages, work yards, back yards, outdoor entrances, warehouses.


	CAMERA DD10	CAMERA DD11	CAMERA DF03	CAMERA DZ03
				
Description	High-performance, indoor/outdoor, waterproof vandal dome.	High-performance, indoor/outdoor, waterproof vandal dome.	Indoor/outdoor 360° view camera with integrated microphone and fixed aspherical lens with distortion correction.	High-performance, indoor/outdoor, weatherproof dome.
Resolution	8 Mega Pixels	8 Mega Pixels	12 Mega Pixels	5 Mega Pixels
Lens	2.8mm	3.3 - 12mm Motorized Lens	1.83mm	4.7-56.4mm motorized lens
Night Vision	Smart IR LEDs with up to 30m range	Smart IR LEDs with up to 30m range	IR LEDs up to 15m	Up to 80m
Dynamic Range	WDR (120dB) and HLC/BLC	WDR (120dB) and HLC/BLC	DWDR	WDR (120dB)
Housing	Durable All Aluminum	Durable All Aluminum	Durable All Aluminum	Durable All Aluminum
Ingress Protection	IP67	IP66 & IK10	IP66	IP66
Streaming Protocol	Triple RTSP Streams	Triple RTSP Streams	—	Triple RTSP Streams
Applications	Best for small indoor areas: stock room, lobby, hallways, elevators, IT closets, storage rooms, entrances, interview rooms.	Best for modest outdoor areas or large indoor areas: Small Parking lots, fields, parking garages, work yards, back yards, outdoor entrances, warehouses.	Best for medium size open areas, hallway intersections, lobbies, and retail.	Best for Indoor/Outdoor deployments that require a medium level of zoom capabilities.

	CAMERA DP01	CAMERA CC02	CAMERA CD02	CAMERA CZ02
				
Description	Compact size pinhole indoor camera with SD card storage slot.	High-performance indoor camera with integrated microphone and WiFi.	High-performance, outdoor, waterproof dome.	Pan and tilt monitoring indoor camera with integrated microphone and WiFi.
Resolution	2 Mega Pixels	4 Mega Pixels	2 Mega Pixels	2 Mega Pixels
Lens	3.7mm pinhole	2.8mm	2.8mm	3.6mm
Night Vision	—	IR LEDs with up to 14m range	IR LEDs with up to 15m range	IR LED, 10m Range
Dynamic Range	True WDR > 120dB	WDR and HLC/BLC	WDR and HLC/BLC	WDR, Highlight Compensation, Backlight Compensation
Housing	Metal	Plastic with Locking Ball Aimable Mount	Metal with Aimable Mount	Plastic, sleek & modern appearance
Ingress Protection	IP66	—	IP67	—
Streaming Protocol	—	—	—	—
Applications	Best for non-obvious deployment. Used in ATMs and other applications with limited space.	Best for small indoor areas: hallways, entrances, and modest sized rooms.	Best for large outdoor areas: Parking lots, fields, parking garages, work yards, back yards, outdoor entrances, construction sites, infrastructure.	Best for monitoring indoor areas: home monitoring, shops, small office spaces.

Body Cameras

In an era where minor events can spiral into global incidents, body-worn cameras are becoming the go-to solution for commercial business owners needing to maintain accountability and protect people, property, and reputations. Designed specifically for the commercial market, this small, sleek, feature-rich body camera is used by businesses to improve staff safety and accountability, accelerate incident response and investigation, and protect people and property – all at a fraction of the cost of other systems.

Eagle Eye Body Cameras are available on the Eagle Eye Networks CameraManager platform, with availability on the Eagle Eye Cloud Video Management System (VMS) in 2022.

		CAMERA BC01
Description	Cloud connected body camera. Extensive remote networking capabilities allows interaction through 4G LTE and/or Wi-Fi networks. Includes world- leading 180° immersive video capture at up to 4K resolution, bi-directional audio, GPS tracking, and high- performance Qualcomm™ processing.	
Pixels	8.3 Megapixel	
Resolution	2448x2448/2048x2048/1536x1536/1024x1024/800x 800@30FPS	
Lens	Panomorph, Focus range: 24 inches to infinity	
Battery Pack	6,000 mAh, up to 16 hours operating time	
Ingress Protection	IP67	

COMPLETE YOUR SURVEILLANCE SYSTEM

Eagle Eye Camera Accessories

SD Cards

		EN-SDMD-001	EN-SDMD-002
			
Description		Eagle Eye Industrial High Endurance Video microSD Card 32G with built-in sync between SD Card & Eagle Eye Cloud. Continues recording without internet.	Eagle Eye Industrial High Endurance Video microSD Card 64G with built-in sync between SD Card & Eagle Eye Cloud. Continues recording without internet.
Compatibility		Eagle Eye Cameras with SD Slot	Eagle Eye Cameras with SD Slot
Warranty		2 Years	2 Years
Recording		Video and audio	Video and audio

Camera Junction Boxes

	JUNCTION BOX BX004	JUNCTION BOX BX005
		
Camera Compatibility	Eagle Eye Cameras DD09, WA03, PE02, & DF03	Eagle Eye Cameras DE02, DM08, DD07, DD08, DD10, & DD11
Materials	Cold Rolled Sheet	Alloy
Dimensions	142 x 51mm	—
Weight	544g	—

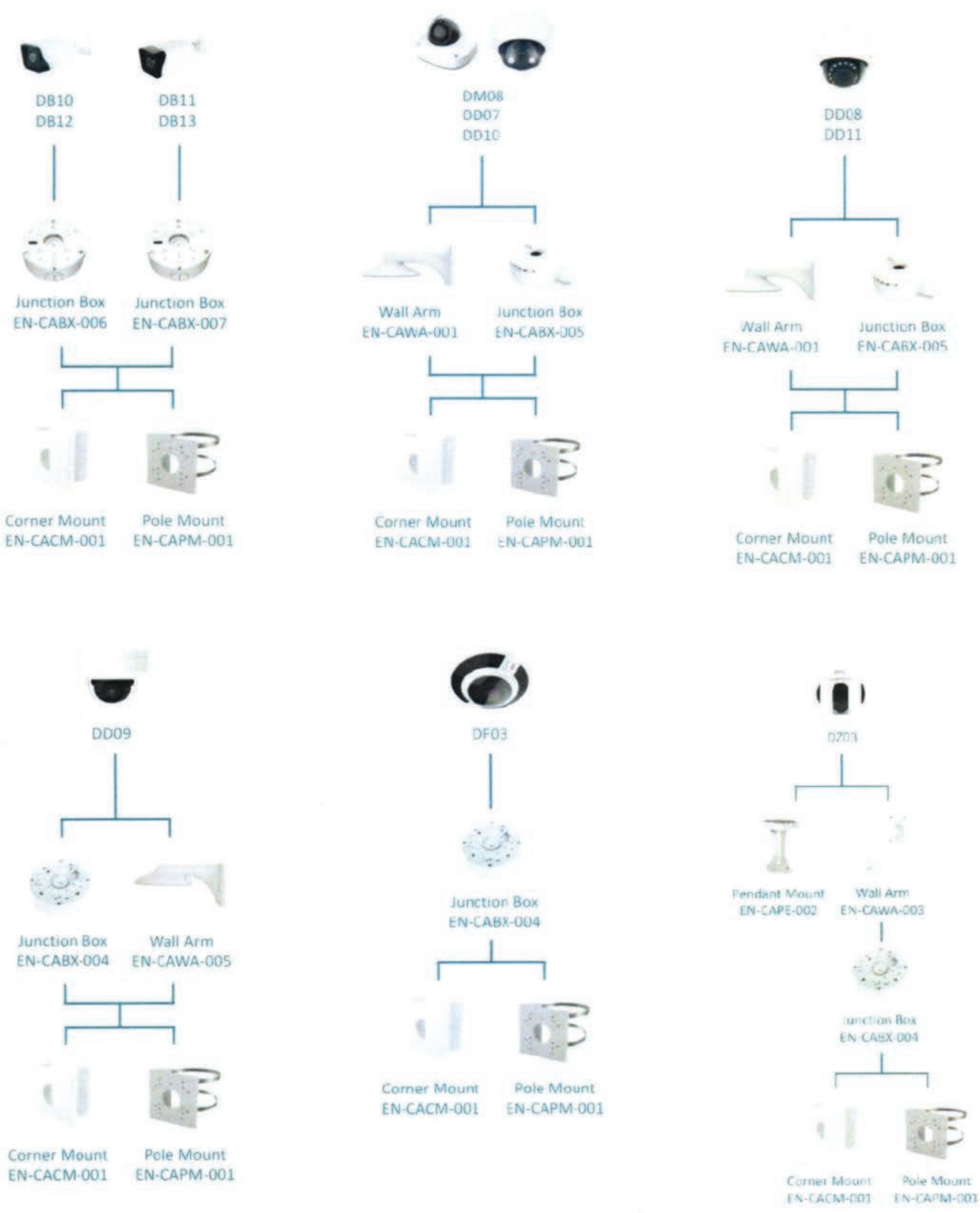
	JUNCTION BOX BX006	JUNCTION BOX BX007
		
Camera Compatibility	Eagle Eye Cameras DB10 & DB12	Eagle Eye Cameras DB11 & DB13
Materials	Cold Rolled Sheet	Cold Rolled Sheet
Dimensions	142 x 51mm	142 x 51mm
Weight	544g	544g

Wall Arms, Pendants, & Mounts

	WALL ARM WA001	WALL ARM WA003	WALL ARM WA005
			
Camera Compatibility	Eagle Eye Cameras DM08, DD07, & DD10	Eagle Eye Camera DZ03	Eagle Eye Cameras DD08, DD09, & DD11
Materials	Aluminum	Aluminum	Aluminum
Dimensions	183 x 120 x 84mm	187.4 x 76.9 x 145mm	215 x 140 x 107mm
Weight	350g	425g	565g

	PENDANT PE002	CONER MOUNT CACM001	POLE MOUNT PM001
			
Camera Compatibility	Eagle Eye Camera DZ03	Camera Accessories BX004, BX005, BX006, & BX007	Camera Accessories BX004, BX005, BX006, & BX007
Materials	Aluminum	Cold Rolled Sheet	Cold Rolled Sheet
Dimensions	129.5 x 99 x 76.9mm	121.2 x 120 x 67.8 mm	126.3 x 120 x 51.3mm
Weight	350g	490 g	554g

Accessory Maps



Appendix D

Alabama Technology Network ISO 9001
Certification Contract

Certificate of Insurance



NSIDINC-01

ATHOMPSON

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/29/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Milstead Insurance / HJL
P.O. Box 730
Sheffield, AL 35660

CONTACT NAME: **Ashley Thompson**
PHONE (A/C, No, Ext): **(256) 383-5011** FAX (A/C, No): **(256) 383-5015**
E-MAIL ADDRESS: **ashleyt@hjlinsurance.com**

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: **PHILADELPHIA INDEMNITY INS CO**INSURER B: **Auto Owners/Owners Ins Co.**

18988

INSURER C:

INSURER D:

INSURER E:

INSURER F:

INSURED
nSide, Inc.
4031 Parkway Dr
Ste B
Florence, AL 35630

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	X COMMERCIAL GENERAL LIABILITY					
	CLAIMS-MADE X OCCUR		PHPK2295008	7/1/2021	7/1/2022	EACH OCCURRENCE \$ 1,000,000
						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
						MED EXP (Any one person) \$ 5,000
						PERSONAL & ADV INJURY \$ 1,000,000
						GENERAL AGGREGATE \$ 3,000,000
						PRODUCTS - COMP/OP AGG \$ 3,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:					
	X POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC					
	OTHER:					
B	AUTOMOBILE LIABILITY					
	ANY AUTO OWNED AUTOS ONLY X SCHEDULED AUTOS		5267412600	1/14/2021	1/14/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	X HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY					BODILY INJURY (Per person) \$
						BODILY INJURY (Per accident) \$
						PROPERTY DAMAGE (Per accident) \$
A	X UMBRELLA LIAB X OCCUR					
	EXCESS LIAB CLAIMS-MADE		PHUB775095	7/1/2021	7/1/2022	EACH OCCURRENCE \$ 2,000,000
	DED X RETENTION \$ 10,000					AGGREGATE \$ 2,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y N/A		38255159	4/29/2021	4/29/2022	X PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. EACH ACCIDENT \$ 2,000,000
						E.L. DISEASE - EA EMPLOYEE \$ 2,000,000
						E.L. DISEASE - POLICY LIMIT \$ 2,000,000
A	Errors & Omissions		PHPK2295014	7/1/2021	7/1/2022	Each Occurrence \$ 3,000,000
A	Errors & Omissions		PHPK2295014	7/1/2021	7/1/2022	Aggregate \$ 3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Excluded Officer: **Steven McKinney**

CERTIFICATE HOLDER

CANCELLATION

Shelton State Community College
9500 Old Greensboro Road
Tuscaloosa, AL 35405

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE