

Welcome to Arecont Vision Costar, LLC

Cautionary Statement



This document contains forward-looking statements that involve risks and uncertainties, as well as assumptions, that if they never materialize or prove incorrect, could cause the results of the Company to differ materially from those expressed or implied by such forward-looking statements. Forward-looking statements generally are identified by the words "expects," "anticipates," "believes," "intends," "estimates," "should," "would," "strategy," "plan" and similar expressions. All statements other than statements of historical fact are statements that could be deemed forward-looking statements. The risks, uncertainties and assumptions include developments in the marketplace for our products, competition, related products and services and general economic conditions, as well as other risks and uncertainties. Accordingly, we cannot give assurance that any of the events anticipated by the forward-looking statements will transpire or occur, or if any of them do so, what impact they will have on the results of operations or financial condition of the Company.

Webinar Agenda



- Welcome to Arecont Vision Costar, LLC
 - Jeff Whitney, VP Marketing, Arecont Vision Costar
- Who is Costar Technologies, Inc.?
 - James Pritchett, President & Chief Executive Officer, Costar Technologies, Inc.
 - Scott Switzer, Chief Financial Officer, Costar Technologies, Inc.
- Arecont Vision Product Update: Contera
 - Brad Donaldson, VP, Product Development, Arecont Vision Costar

Welcome to Arecont Vision Costar, LLC



- Arecont Vision, LLC, founded in 2003 in the Los Angeles, California area
- A proven industry leader in the design, development, & manufacturing of megapixel surveillance cameras
- The company entered voluntary chapter 11 bankruptcy in May, 2018, with the objectives to...
 - Continue operations uninterrupted
 - · Shed the company's debt burden
 - Emerge as a stronger business, with a clean balance sheet
 - Attract new investment to ensure continued product development

Innovation Legacy



- Arecont Vision, LLC brought long history of innovation & industry firsts
 - Complete line of upgradable, cyber-secure, & advanced megapixel cameras
 - Manufactured in the USA
 - Built-in features for a wide range of vertical market requirements, worldwide

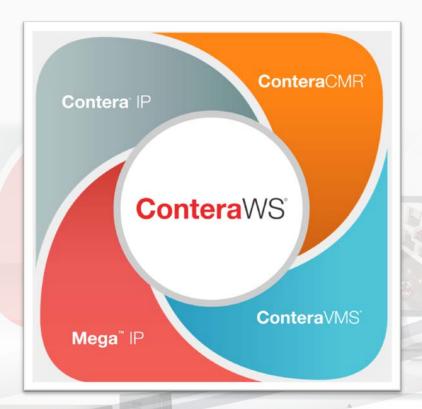
- The MegaIP® series leverage in-house developed MPIP architecture with FPGA ICs at the core
 of each camera
 - Single- or dual-sensor MicroBullet[®], MicroDome[®], MegaBall[®], MegaDome[®], MegaVideo[®], and MegaView[®] box, dome, and tethered camera series
 - SurroundVideo® multi-sensor panoramic and omni-directional (adjustable view) camera series.
- These products are now part of the new Arecont Vision Costar, LLC portfolio

Complete Video Solution



 In 1H 2018, Arecont Vision, LLC introduced the Contera® series, offering a Complete Video Surveillance Solution

 These products are now part of the new Arecont Vision Costar, LLC portfolio





Arecont Vision Costar, LLC



A COSTAR COMPA

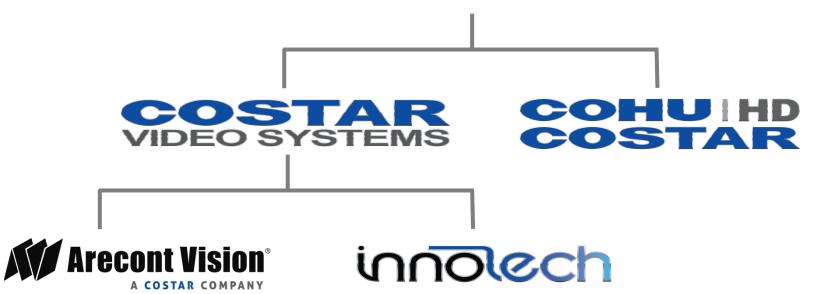
- The team you know remains in place
 - Executives, management, developers, technologists, operations, sales, & support
- The products you know remain in place
 - MegaIP[®]
 - Contera®
- The partnerships you know remain in place
 - Sales Partners
 - Technology Partners

What's different?

Costar Technologies, Inc. July 2018







Corporate Experience



Jim Pritchett, President & CEO

Jim joined Costar in 2001. Previously Jim was the President and Executive Vice President of Ultrak from 1988 to 1999 with Revenue Growth from \$1.7 Million to \$205 Million through internal growth and acquisitions. *Honeywell acquired Ultrak in 2002.*

Scott Switzer, COO & CFO

Scott joined Costar in 2001. Previously, Scott was a consultant with Accenture from 1998 to 2000, and was in Industrial Sales at Ultrak in 1998.

Corporate Experience



Mathiew Bais, CTO

Mathiew joined Costar in 2008. Previously, Mathiew was President and CEO of Visual Defense with Revenues of \$45 Million from 2006 to 2008, from 1999 to 2006 he was President and CEO of Visonic Technologies, from 1995 to 1997 he was Managing Director of Product Development at Ultrak.

Overview



- The combined company will vault to one of the top 25 companies in the world according to A&S magazine security rankings
- CSTI already has the backend systems (NetSuite) in place to add additional companies and locations
- Synergies between the two companies allow for significant cost savings
- Integration: Workforce relocation shouldn't be considered, sales force minimal overlap

Costar Video Facility

Coppell, Texas





CohuHD Facility

San Diego, California





Innotech Facility

Pompano Beach, Florida





Markets



Costar Technologies develops, designs, and distributes a range of video surveillance solutions. Our product portfolio consists of video management software (VMS), surveillance cameras, network video recorders (NVRs), digital video recorders (DVRs) and more.



Retail / Distribution

- Entertainment
- Distribution
- •Grocery Stores / Pharmacies



Financial

- Banks / Credit Unions
- •ATM's

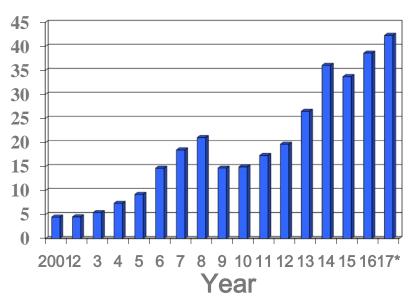


Transportation/Defense

- •Incident Management
- Border/Port Surveillance
- Military Bases

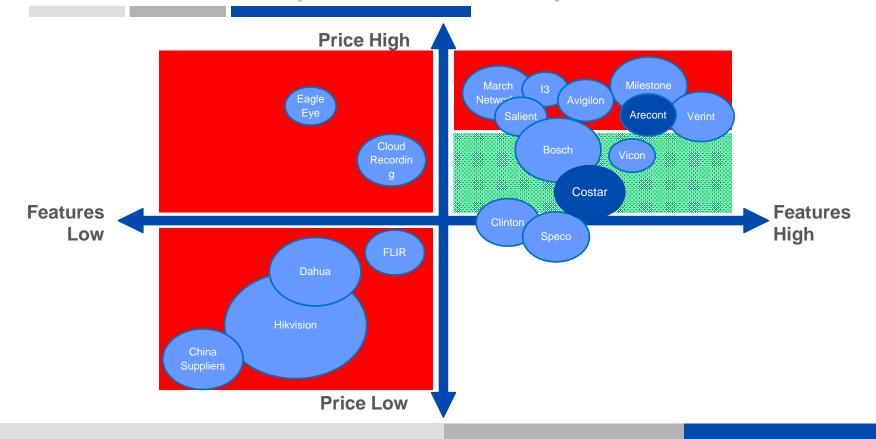
Costar Technologies

Revenues - Millions



^{*} Proforma with Innotech - Last 12 Months

Market Competitive Analysis



Worldwide Ranking





Source: www.asmag.com

Marquee Customers







Marquee Customers



Transportation









































Defense

















communications





















Critical Infrastructure



























Marquee Customers



National Integrators





















End User Accounts

























Overview





Overview

Overview

CSTI had \$44M in revenue in 2017 and is currently ranked as the 40^{th} in the world by A&S Magazine's security manufacturers in the areas of video surveillance, access control and intruder alarms. HQ in Coppell, TX with 110 employees in 3 offices in the United States.

Highlights

- Proven management team
- Large, long-standing client relationships with major brands such as Wal-Mart, Securitas, CVS, Publix, Regions Bank, and Winn Dixie
- Attractive financial profile, high retention rate
- Proven track record of executing and integrating strategic acquisitions (3 accretive acquisitions since 2011)

2017 Financials

- \$44 Million Revenue
- \$3.73 Million Adj. EBITDA



Overview

Overview

Arecont Vision had \$40M in revenue in 2017. Arecont is a leading manufacturer of IP-based megapixel cameras for applications globally. Arecont has the ability to sell its products around the globe. With a partner network of over 1,100 distributors and systems integrators. HQ in Glendale, CA with 90 employees worldwide.

• The company differentiates itself with in-house technology development capabilities, including 18 patents.

Highlights

- In-house development team
- Large, long-standing client relationships with major brands such as Google, Amazon, CVS, Wells Fargo, Citibank, Shell, Marriott

2017 Financials

- \$41.7 Million Revenue
- (\$1.9 Million) Adj. EBITDA

Strategic Rationale



Continues to Transform CSTI image

- Manufacturing and Design:
 - Increases brand recognition
 - Along with other acquisitions, the Arecont acquisition increases our manufacturing and design divisions from 50% to 75% or our revenue
- Brand:
 - Increases market exposure
 - Increases brand recognition
 - 18 issued patents

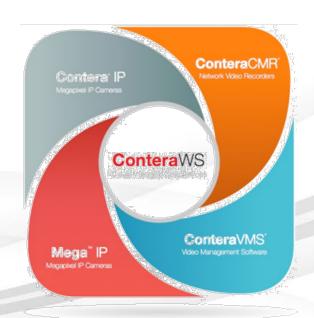
➤ Attractive operations/people/technology profile

Adds 28+ sales personnel who are driving revenue growth



Arecont Vision Costar, LLC ConteraVMS® & ConteraWS®

Video Management Systems & Web Services





- ConteraVMS is an advanced, fullfeatured Video Management System from Arecont Vision®
- The ConteraVMS can operate as a traditional local surveillance system, or can be greatly enhanced with use of ConteraWS Web Services
- ConteraWS brings the performance and reliability of local recording with the convenience and flexibility of the cloud to Arecont Vision[®] video surveillance systems





 ConteraVMS - the performance and reliability of local recording

 ConteraWS – the convenience and flexibility of the cloud





 ConteraVMS local recording allows the user to avoid the common pitfalls of cloud solutions, such as resolution and framerate caps or bandwidth issues









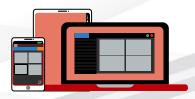
 Recording takes place locally for increased performance & reliability with ConteraVMS User profiles and recorder information stored in the cloud for convenient remote access and management with ConteraWS Recorders are accessed using choice of powerful remote applications with ConteraWS



LAN



WAN



LOCAL

CLOUD

REMOTE



Simplified Management

- User permissions and groups are conveniently managed in the cloud
- Connect to all recorders using a secure email and password with single sign-on



Video Export & Sharing

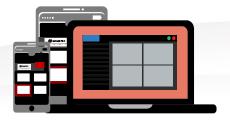
 Export video to the cloud to store important clips then share them with coworkers or law enforcement using a password protected link





Remote Access

 Connect from anywhere with choice of a fully featured thick client, mobile apps, Apple TV app, and a multibrowser web client



Remote Monitoring

 Receive instant notification of alarm, motion, or system health events from the cloud to a smartphone or PC

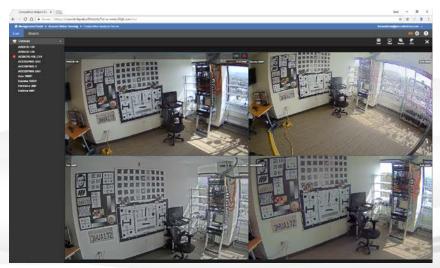






Thin Client

- Web based client accessed via web browser (Chrome recommended)
- Can be accessed via the ConteraWS (web services) including on mobile device
- Very convenient but lacks some features



Thick Client

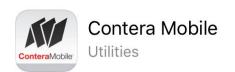
- Software that resides on local machine
- More feature rich:
 - Multi-site access from camera tree
 - More view layout options

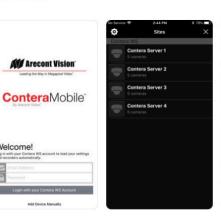




- ConteraMobile™
 - Remote viewing with the Contera Mobile app















- Increase Return on Investment
 - Simplify video access & retrieval
 - Simplify user management
 - Store & share video clips online
 - Reduce IT overhead





Reduce IT Overhead

- Eliminate port forwarding & DDNS
- No client side programming
- Cloud-enabled software updating
- Deployable as Thin Client





• Improve Cybersecurity

- No Open Inbound Ports
- Multi-factor Authentication
- NIST Compliant Data Encryption
- Transport Layer Security



- Improve Cybersecurity
 - An outbound trusted connection is created with authentication and TLS
 - The recorder only communicates with & respond to verified clients
 - This enables WAN client connections without permanently opening an inbound port on the network's firewall
 - Recorders/servers using traditional connection methods listen to & can potentially respond to any incoming network traffic, posing a cybersecurity risk
 - Arecont Vision platforms will only respond to requests from ConteraWS servers for increased cybersecurity



No Open Inbound Ports on Network Firewall



Channel Partners Benefit from Contera® Solutions



Reduce labor & support costs



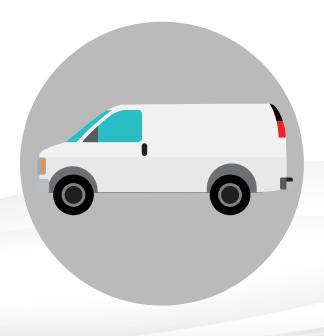
 Recurring revenue growth from proactive video services



 Excite users & close business with a differentiated solution



Channel Partners Reduce Labor & Support Costs with Contera®



Reduce Technical Support Calls

- Trusted outbound connection
- Automated roaming profiles
- Automated password resets

Reduce Truck Rolls

- Complete remote administration and troubleshooting without VPN access
- Camera link / remote accessible POE technology



• Channel Partners Can Increase Recurring Revenue with Enhanced, Proactive Video Services Leveraging Contera®



	STANDARD	DELUXE	PREMIUM
24/7 Digital Monitoring of System Health	✓	~	✓
Monthly Camera Image Verification Report	✓	✓	✓
Video Verification of Monitored Alarms	×	✓	✓
Proactive Response to Digital Health Monitoring Events	×	✓	✓
Request for Video Event Backup and Distribution	×	2 Per Month	Unlimited
Camera Image Verification	×	Quarterly	Monthly
Installation of Critical Security Updates	×	1 Week	2 Business Days
Installation of Available Software Updates	×	Annually	Quarterly
Appliance / Server Inspection and Cleaning	×	Annually	Semi Annually
Camera Inspection and Cleaning	×	Annually	Semi Annually
Service on Installed Equipment	In Warranty	/	✓
Initial Response Time to Service Inquiries	Same Day	4 Hours	2 Hours
Same Day or Next Day On Site Service Available	×	1	✓
24/7 Service Available	×	×	✓
Locked in Labor Rates During Agreement Term	×	/	✓



- Cloud API Integration
 - The ConteraWS API simplifies deploying video integrations while improving reliability & reducing maintenance requirements





• The **ConteraVMS** is available with 3 tiered licensing choices per server platform

ConteraVMS Standard License

- Maximum of 16 cameras per server
- Maximum of 3 concurrent remote connections



ConteraVMS Premium License

- Maximum of 64 cameras per server
- Maximum of 5 concurrent remote connections



ConteraVMS Professional License

- Maximum of 128 cameras per server
- Unlimited concurrent remote connections



ConteraVMS® License Comparison



Feature / Capability	ConteraVMS Standard	ConteraVMS Premium	ConteraVMS Professional
Maximum Cameras Per Server	16	64	128
Concurrent Remote Connections	3	5	Unlimited*
Server OS Supported	Windows / Linux	Windows / Linux	Windows / Linux
Expansion Channels	Yes	Yes	Yes
IP Audio Recording	-	Yes	Yes
IP Sensor / Relay	-	Yes	Yes
Native Video Archive	-	Yes	Yes
Per Camera Storage Allocation	-	Yes	Yes
Macro Support	-	Sensor / Relay	All Macros
API Support	Yes	Yes	Yes
IP Camera Support	ONVIF Profile S / RTSP	ONVIF Profile S / RTSP	ONVIF Profile S / RTSP
VM Support	-	-	Yes (Windows)
Camera Link	Yes	Yes	Yes
ConteraWS Enabled	Yes	Yes	Yes
Health Monitoring	Yes	Yes	Yes



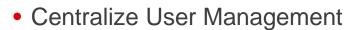
Contera Web Services for Cloud-Managed Video Surveillance



• Simplify Video Access



Eliminate Port Forwarding







Store & Share Video Clips
 Online



Remotely Update Software

Leverage Health Monitoring



 Reduce System Maintenance Cost



 Deploy as Thin Client When Appropriate



Arecont Vision Costar, LLC

ConteraCMR®

Cloud Managed Recorders



ConteraCMR®



- ConteraCMR is a complete line of cloud managed servers & NVRs from Arecont Vision®
- Each ConteraCMR functions as a traditional standalone surveillance platform with the ConteraVMS, or can be greatly enhanced with use of ConteraWS web services



ConteraCMR®



ConteraCMR NVR Appliance



- 8 port models offer 2 16TB video storage
- 16 port models offer 2 20TB video storage
- Slim desktop appliance
- Linux OS
- Integrated PoE switch
- Ready for ConteraVMS® license

ConteraCMR Desktop NVR Server



- 4 24TB video storage
- Up to 32 channels
 - Compact desktop NVR server
- Choice of Windows or Linux
- Ready for ConteraVMS®
 license

ConteraCMR Compact NVR Server



- 12 40TB video storage
- Available RAID 5
- Up to 64 channels
- 2U compact rackmount NVR server
- Choice of Windows or Linux
- Ready for ConteraVMS® license

ConteraCMR

High Performance NVR Server



- 16 80TB video storage
- Available RAID 5
- Up to 64 channels
- 2U rackmount NVR server
- Choice of Windows or Linux
- Ready for **ConteraVMS®**license



Arecont Vision Costar, LLC ConteraWS®

Resources and Documentation





Channel Partner Buying Guide



Contera[™] Series

- VMS
- Cloud Managed Recorders
- Web Services

Channel Partner Buying Guide

Covers Complete Offering

- 1. Platform Architecture & Components
- 2. Software Segmentation
- 3. Software Licensing
- Hardware Offerings (ConteraCMR)
- 5. FAQ

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Channel Partner Sell Sheet





(Web Services)

INCREASE YOUR PROFITABILITY BY REDUCING LABOR COSTS AND GENERATING NEW REVENUE OPPORTUNITIES



2



REDUCE INSTALLATION LABOR

Make jobs more profitable by streamlining recorder installation, and configuration, to reduce your labor costs.

Arecont Vision's Plug N' Play ConteraCMR recorders automatically connect to our cameras and begin recording. Complex port forwarding and routing are eliminated thanks to ConteraWS's automated network setup functions. The Contera Web Client eliminates the need to install remote software on client PCs and all configuration can be performed remotely, saving valuable time in the field.

DECREASE SUPPORT COSTS

Save money with ConteraWS by centralizing management of your customers' recorders, and decreasing the time spent on non-billable support hours.

Remotely access recorder settings, push software updates, and manage recorder access from a central Web location, all without needing to log in to individual systems. Connection settings and permissions are stored in the cloud so you never need to manually enter connection information into mobile apps or remote software again.

GENERATE NEW REVENUE

Generate recurring monthly revenue by offering customers' convenient remote access to recorders, centralized user management, trouble-free remote connectivity, and the ability to store or share video clips in the cloud.

ConteraWS is designed with a dedicated reseller portal to allow you to control customer access to features and functionality based on your RMR business model. ConteraWS even includes features to enable time-based service or lease sales programs





Leading the Way in Megapixel Video



(Web Services)

ConteraW5 can help make your business more profitable through labor savings and increased RMR. It is also a new and innovative solution that excites end-users and helps differentiate you from the competition. Add more value to your service contracts, and increase customer retention, by offering customers a solution with features and convenience not available in competing products.

ONLINE CENTRAL USER MANAGEMENT

Single Sign-On and Central User Management are not only convenient time savers for your customers, they also help reduce support calls. **ConteraW8** eliminates the need to manually enter connection settings and DDNs information in any of our client applications. When a new recorder is added to **ConteraWS**, it automatically appears in the device list of every user with permissions to view the device.



ONLINE CLIP BACKUP AND EMAIL SHARING

ConteraWS (Web Services) can significantly reduce the time users spend reviewing, exporting, and distributing recorded video. Intuitive search tools make finding video events faster and easier. Video events exported to the cloud can be shared via email with coworkers, law enforcement, or management. Users can even enter notes and control whether clips can be downloaded by recipients. It doesn't got any easier than that.



HEALTH MONITORING

ConteraWS monitors the health of every connected device to detect problems with the recorder hardware, cameras, or online access. Reinforce the value of service confracts by automatically sending your customers a health status report on a monthly basis. Your technicians can also be notified of health alerts in real time, so you can proactively contact a customer and correct the problem.



NETWORK AND CYBER SECURITY

ConteraCMR (Cloud Managed Recorders) establish a trusted outbound connection with the ConteraWS cloud servers, eliminating the need for inbound port forwarding or DDNS. Customers will benefit from a more secure and reliable network. You will benefit from reduced support calls and site visits to fix connection issues caused by changes to customers network hardware or configurations.

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Contera[™] Series

- VMS
- Cloud Managed Recorders
- Web Services

Guide to Recurring Revenue and Managed Service Solutions

Recurring Revenue and Managed Service Guide

- 1. Building RMR Recommendations
- 2. Sample RMR Offerings
- 3. Example Sales Models
- 4. Software Solutions for RMR Model
 - Active Health Monitoring & Proactive Service Response
 - 2. Camera Image Verification
 - 3. Software Update Management
 - 4. System Configuration Management
 - 5. User Management and Administration
 - 6. Video Clip Export and Distribution

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IT Pre Deployment Guide





Cyber Security Overview

Highlights

- No Open Inbound Ports
- Multi-factor Authentication
- NIST Compliant Data Encryption
- Transport Layer Security



ConteraWS™(Web Services)

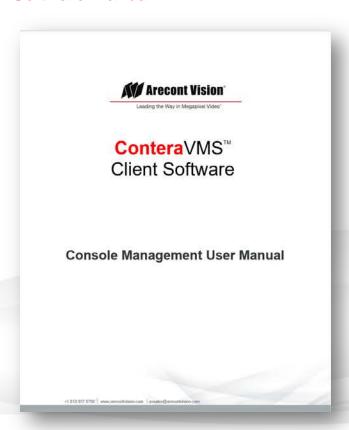
Platform Cyber Security Overview



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Software Manual

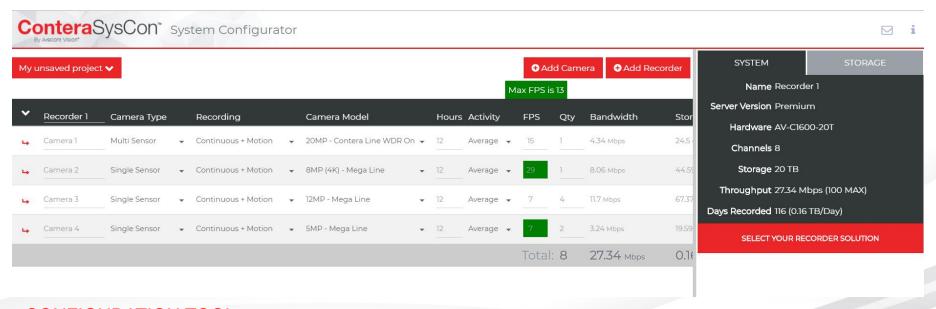


Highlights

- Server Software Requirements
- Think Client Instruction
- Thick (Fat) Client Instruction

ConteraSysCon™





CONFIGURATION TOOL

- The ConteraSysCon is a powerful online systems configuration tool
- Use it to provide complete system configurations featuring Mega[™] & Contera® cameras,
 ConteraVMS®, ConteraWS®, & ConteraCMR® platforms

Building An Arecont Vision® Video Surveillance Solution



Arecont Vision ConteraWS®
Cloud Managed Web Services

Arecont Vision Contera®
 IP Cameras

ConteraCMR Contera IP **Contera**WS Cloud-Managed Web Services **Contera**VMS Mega IP

Arecont Vision ConteraCMR®
 Cloud Managed Network Video
 Recorder Servers

Arecont Vision Mega™
 IP Cameras

Arecont Vision ConteraVMS®
 Video Management System

Arecont Vision ConteraSysCon™
 System Configuration Tool







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