



CATHEXIS

Cathexis Vision[®]

IP Video Management Solutions



Powerful, Feature Rich and Fully Integrated Surveillance Software

www.cathexisvideo.com

- World leading developer of Surveillance Technology
- More than 20 years industry experience
- Extensive vertical market coverage
- Proven track record of ROI over long periods of time
- Winner of 2018 Benchmark Award VMS
 - Ease of use
 - Powerful user feature set
 - Advanced yet simple configurations
 - Competitors –



- Key requirements
 - Simple yet powerful operator interface
 - Integrated – sharing of data
 - Boolean event and incident management
 - Scalable
 - Reliable for high intensity situations
 - Consolidated control room application



- VMS = Video Management Software
 - Specially designed video management application
 - Focus is on the software only
 - Capable of managing sites with thousands of cameras
- NVR = Network Video Recorder
 - Embedded “good enough” software interface
 - Focus is on volume sales of hardware
 - Generally an “end to end” solution from one manufacturer
 - Limited scalability
 - For sites with limited cameras and basic functionality



- The software is feature rich
- The software is more stable despite the advanced feature set
- Use any server platform that meets operational spec
- Pick and choose peripheral hardware that's right for the job
 - Any camera manufacturer via their native protocol
 - Storage
 - Detection devices
 - Monitors





Camera Agnostic



Storage and Server Agnostic

CATHEXIS®

EMC²

fibrenetix

WD Western Digital®

Pivot 

FUJITSU

DELL™

 **rasiliant**
built for surveillance™

 SEAGATE

 HEWLETT
PACKARD

 Infortrend®



- After experiencing the capability or budget becomes available it's easy to:
 - Add more cameras and storage (no limits)
 - Secure the operation with RAID and Failover
 - Use different brand cameras specific to the new application
 - Deploy specialist analytics
 - Add ANPR
 - Integrate 3rd party devices

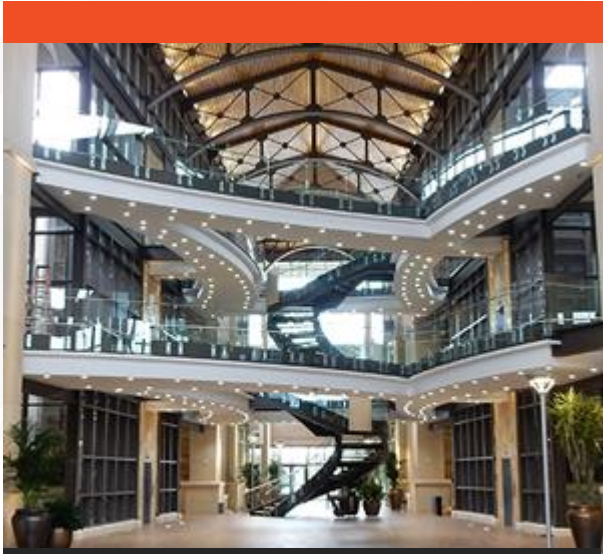




Upgrade Scalability



Small Sites



Large Sites



Multi-Site



- Integration = linking devices together to share data = IoT
- Use these data streams to make intelligent decisions
- Cathexis has been integrating for over 15 years
 - e.g. Point of Sale, Intruder, Access, HVAC, Fire, Fences, Refrigeration
- Runs like a mini Building Management System or PSIM
 - Data sharing and decision making
 - Local and remote Alarm monitoring
 - Local and remote Technical Health monitoring



CathexisVision Integrations



Access Control



Alarm Panels



Analytics



Environmental Monitoring



Fence Management



Fire Panels



Intercoms



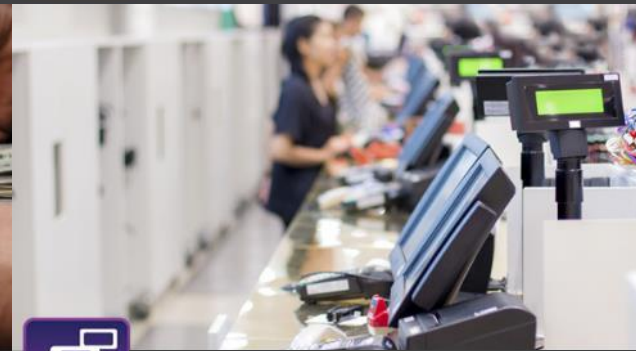
IP Cameras



License Plate Recognition



Money Counters



Point Of Sale



Weighbridges

Essential Features for a VMS - Installation



 Setup Wizards

 User Access Rights



 IP-Cameras




 Camera Cloning




 Event Management



 Storage



 Video Analytics



 3rd Party Integration



Essential Features for a VMS - Operational



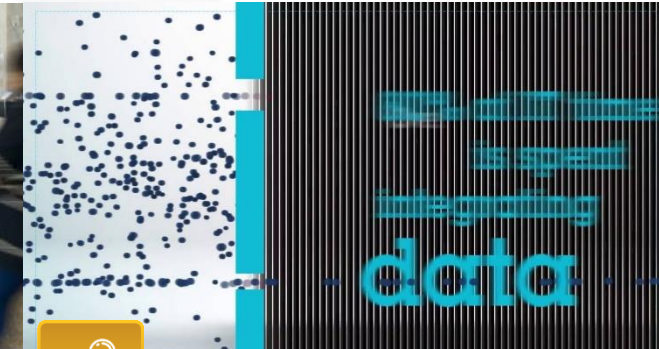
User Auth.



Adv. Video Search



Smart Track



Data Search



Off-site Monitoring



Video Wall



De-Warping



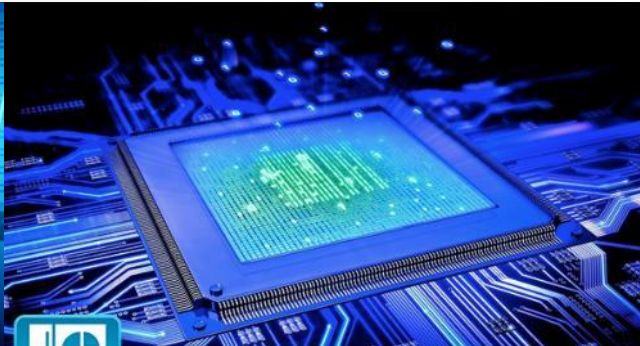
ANPR



Extra Features from a VMS



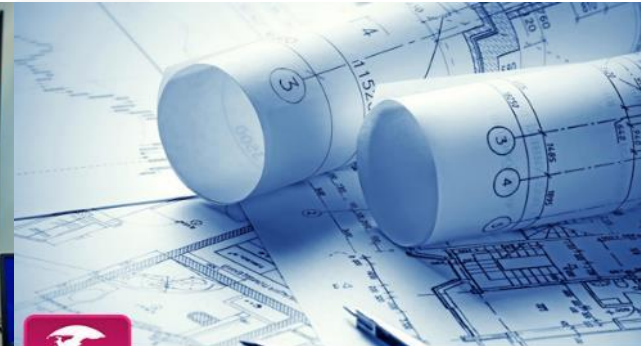
Health Monitoring



Diagnostics



Alarm Management



Map Interface



CatObserver



Data Security / GDPR



Artificial Intelligence



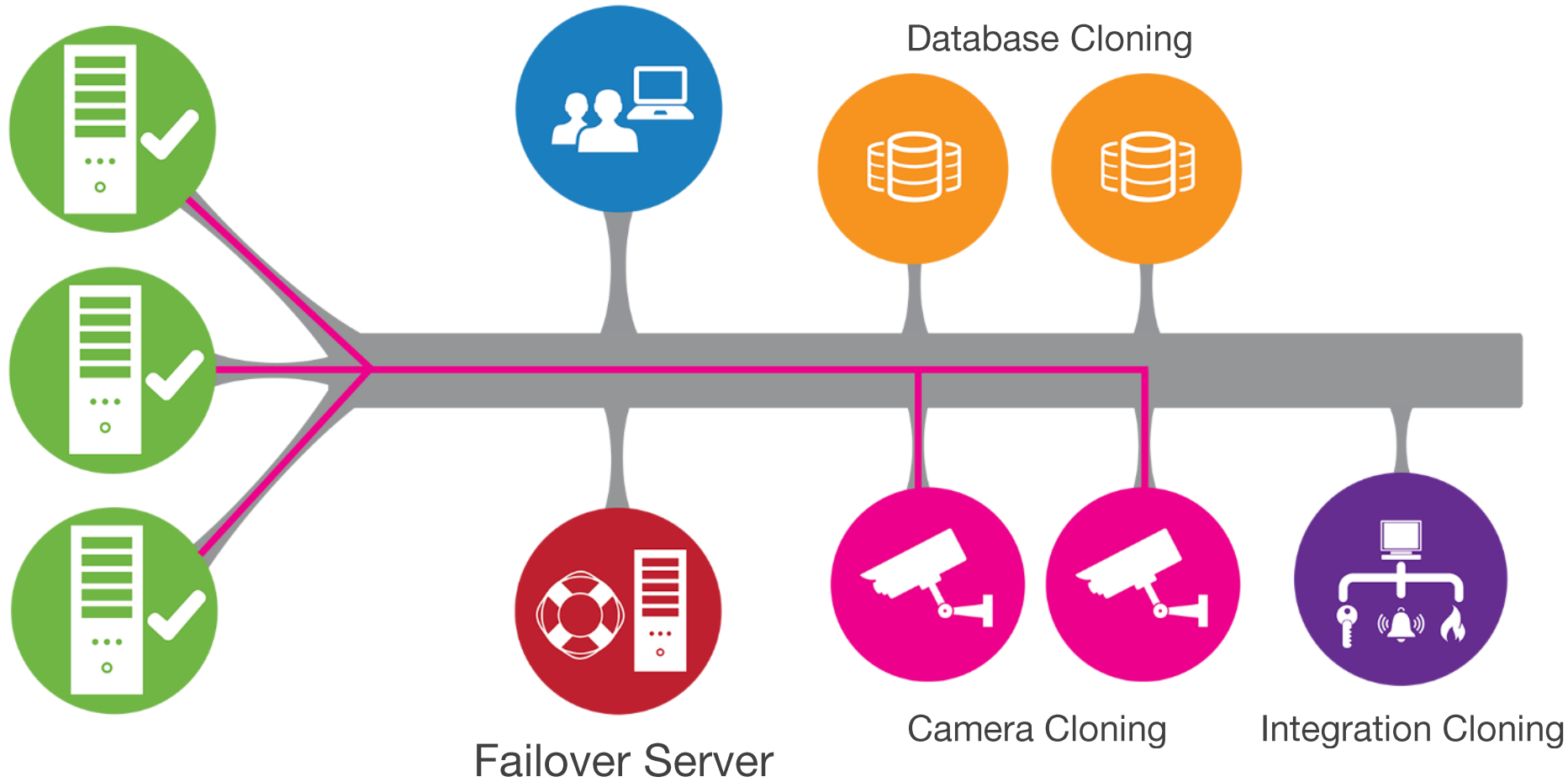
Failover





Failover

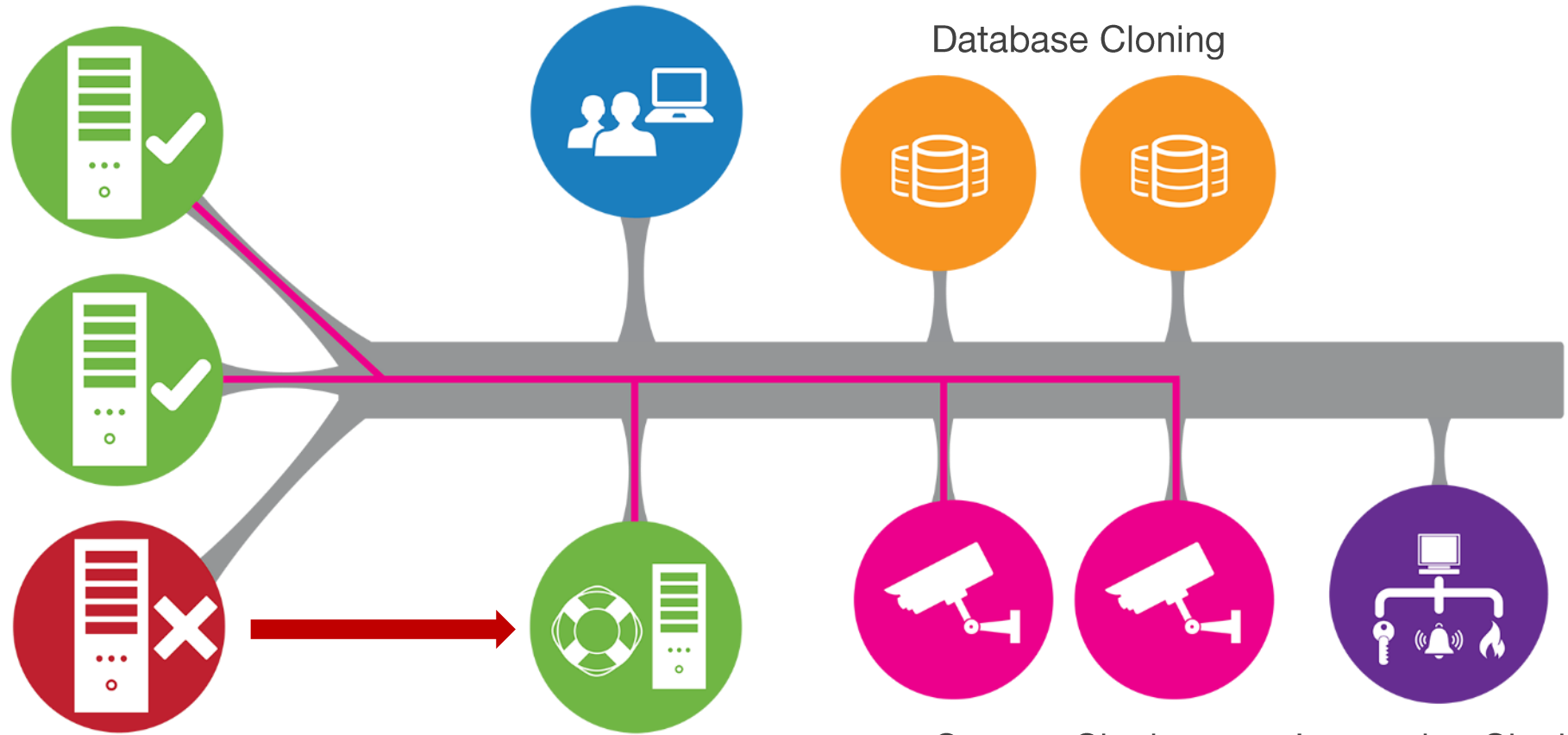
CathexisVision
Multi-Server Recording Software





Failover

CathexisVision
Multi-Server Recording Software



Database Cloning

Failover Server in Action

Camera Cloning

Integration Cloning





- Enter And Exit Area
- Line crossing
- Loitering
- Motion / Static Object Detection
- No Motion
- Presence Trigger
- Queue length analysis
- Speed Detection
- Stopping In Area





- Neural Networks and Deep Learning
- Use public domain libraries to detect:
 - Type of object
 - Size of Object
 - Colour
 - Direction
 - Speed
 - Assigns unique ID





CATHEXIS

Beyond Surveillance

CathexisVision

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Easy Setup



Upgradeability



Smart



Reports



Support



Vision

Return On Investment



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