

artivision technologies

# modular building blocks



- > enterprise video management servers
- > intelligent edge and central devices

Artivision provides an end-to-end scalable video platform through a complete set of modular building blocks for capture, transmission, analysis, recording, monitoring and management. Each component can reside anywhere on the network, enabling flexible solution architectures, scaling from a single site with a dozen cameras to multiple sites with over a thousand cameras.

Artivision enables unique real time monitoring, event management and investigation through tight integration to cross video analytics and pervasive face recognition capabilities, delivering powerful automated situational awareness for a variety of incidents, behaviors and individuals.

Artivision helps public and private sector organizations to proactively manage video to reduce vulnerability, enhance security operations and improve business performance.



## > enterprise video management servers

The EVx enterprise servers family consists of management servers, storage blocks and monitoring and visualization consoles, which can reside anywhere on the network. The system's hierarchical storage architecture enables to record at the edge as well as on distributed storage blocks centrally or across the network, with smart streaming mechanisms for controlling bandwidth utilization.

### highlights

- > Scalable video management.
- > Hierarchical video recording at the edge and on central or distributed storage blocks.
- > Dual recording – MPEG4 as well as high resolution MJPEG lossless-compression upon event, for undisputed admissible video evidence.
- > High availability storage using direct attached RAID arrays.
- > RSA encryption of video files.
- > Network tolerance and on demand streaming for complete bandwidth control.
- > Advanced forensics and investigation features.
- > Real time event management with instant playback.
- > Multi-console control room with advanced user interface.
- > Geo-spatial event synchronization and visualization.
- > Direct support for IP cameras recording and monitoring (without analytics).

	 EVX-Manager	 EVX-Recorder	 EVX-Client	 EVX-Express
Description	Management server	Recording and storage block	Console monitoring unit	All-in-one server
Video channels	1024	48 (internal storage) 64 (with DAS)		48 (internal storage) 64 (with DAS)
Internal storage		3TB		3TB
DAS Support		√		√
Alarm I/O	Ext. GSM modem	64 inputs, 64 outputs		64 inputs, 64 outputs + GSM modem
Monitoring screens			4	4
Decoding channels			16	16
Dimensions	1U, 437W x 43H x 503D mm		3U, 483W x 133H x 400D mm	



## > intelligent video devices

The IVx intelligent devices family consists of edge and central units for video analytics, transmission and recording of standard analog and IP surveillance cameras. The broad range of on board video analytics applications are designed to detect and alert for suspicious events in real time, to generate transactional business intelligence data, and perform non-intrusive face recognition for automated identification and tracking of people of interest across large-scale environments.

### highlights

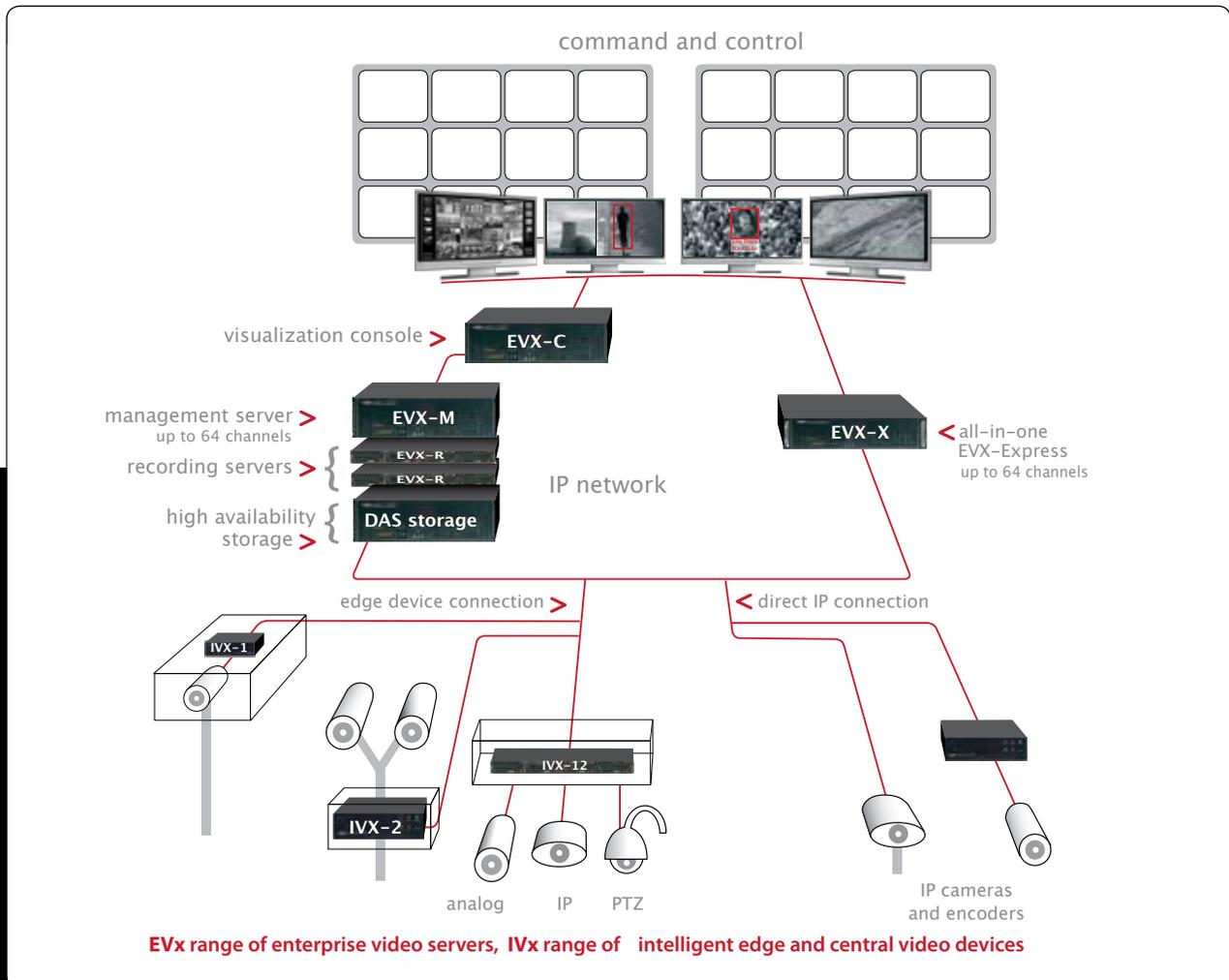
- > Cross video analytics and face recognition engines.
- > Support for IP and analog cameras.
- > MPEG4 and Lossless MJPEG encoding and streaming.
- > On board recording with smart central server replenishment upon demand for optimized bandwidth control.
- > Robust network tolerance with internal event cache for overcoming network congestion.
- > Support for megapixel cameras.
- > Extended temperature support, enabling to deploy specialized IVX units in the most demanding environments.



	IVX-1	IVX-2	IVX-4	IVX-12
Input channels	1	2	4	12
IP/Analog	IP or Analog cameras			
Video analytics	Artivision's cross video analytics and face recognition engines			
Video loop	1		1	1
CODEC	MPEG4 and Lossless MJPEG			
PTZ Control	Built-in RS422/485		Serial to RS422/485	
Standard on-board Storage	2GB Industrial CF		150GB HDD	
Max on-board Storage	16GB Industrial CF		3TB HDD, RAID 0,1 and 5	
Alarm I/O	1	2		
Dimensions	120W x35H x 75D mm	170W x 50H x 120D mm	1U, 437W x 43H x 503D mm	



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Artivision delivers enterprise video solutions that help government, transportation and commercial organizations to enhance security and improve business-performance. Artivision's broad intelligent video platform tightly integrates cross analytics and pervasive face recognition embedded on edge and central devices, and a complete set of modular video capture, recording and management building blocks. Artivision is headquartered in Singapore and is publicly traded in the Singapore Exchange.



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