



artivision technologies

# IVX-1



## > Features

- > 1 IP camera or 1 analog video input (selectable)
- > Real-time advanced video analytics
- > Dual simultaneous encoding:
  - Encodes alarms as collection of lossless MJPEG images
  - Encodes MPEG4 stream
- > Up to 16GB CF local storage:
  - Local storage cache for maximum tolerance to deployment environments
  - Supports video on demand
- > Miniature embedded box for edge deployment in camera housing
- > Standard fan-less design for -20°C to 70°C operating temperature





# > IVX-1 Specifications

## Video Analytics

- Intrusion detection
- Perimeter defense
- Missing object detection
- Unattended object detection
- Missing or unattended object detection
- Crowd detection
- Object tracking
- Vehicle classification
- Unauthorized vehicle parking detection
- Traffic condition classification
- Vehicle counting

Note: some analytics require separate licensing and may decrease effective channel capacity.

## Video/Network Inputs & Outputs

- > 1 75Ω BNC composite NTSC/PAL video input or 1 RJ45 10/100 Ethernet input for IP cameras (selectable)
- > Up to 30fps (NTSC)/25fps (PAL) per composite video input
- > 1 75Ω BNC composite NTSC/PAL passive video loop
- > 1 RJ45 10/100 Ethernet output

## Video Encoding

- > MPEG4 encoder (applies to analog mode only)
  - Selectable compression per camera: 196Kbps to 4Mbps
  - Up to 15fps (NTSC)/15fps (PAL) per camera
  - CIF resolution
  - Post-alarm MPEG4 configuration
- > On alarm triggered MJPEG event recording and uploading

- Lossless MJPEG compression
- Up to 4CIF resolution

## I/O Ports

- > RS-422/485 for PTZ control (supports both Pelco 'D' and 'P' protocol)
- > 1 TTL output
  - No termination
  - Low: <0.4V max.
  - High: 2.4V min (5.0V max. with max. current 20mA)
- > 1 TTL input
  - No termination
  - Low: <0.8V
  - High: 2.2V (5.0V max. with min. current 10µA)

## Storage

- > Standard with 2GB CF card for local MJPEG events cache and system files
- > Options for up to 16GB CF card

## Built, Dimensions, Power and Environmental

- > Aluminum powder coated
- > Dimensions: 120mm (W) x 35mm (H) x 75mm (D)
- > Gross weight: approx 1kg
- > Direct DC 12V@10W
- > Operating temperature:
  - Industrial: -20 °C to 70 °C
  - Wide temp.: -40 °C to 80°C (IVX-1W only)
- > Operating humidity: 20% to 80% (non-condensing)

# > Ordering Information

Product Code	Description
IVX-1	IVX-1, single intelligent channel edge device - 1 analog or IP channel (selectable) - 2GB CF card for local alarm cache - Industrial Temp: -20°C to 70°C
IVX-1W1	IVX-1W, single intelligent channel wide-temp edge device - 1 analog or IP channel (selectable) - 2GB CF card for local alarm cache - Industrial Temp: -40°C to 80°C
Options	
CF-8	8GB Industrial CF Card
CF-16	16GB Industrial CF Card

Product specifications and availability subject to change without notice

