BLACK

BLK-IPS102M
2.0 Megapixel IP Camera

Analytics Capable

KEY FEATURES

- Stunning HDTV image quality using progressive scan Aptina Micron CMOS imager, producing 2.0 megapixel resolution, 1600 x 1200

- Features VCA edge based Intelligent Video Analytics for improved security with advanced detection capabilities

- Features H.264 compression technology for optimized image quality, and lower bandwidth and storage requirements

- Advanced features include Digital Slow Shutter, Extended Dynamic Range of 71dB, built-in Motion Detection, and microSD support

- Supports 12 V DC or Power over Ethernet (IEEE 802.3af) for simplified installation

Superior network IP megapixel video solutions for applications requiring forensic detail

The BLK-IPS102M offers advanced IP Intelligence, featuring a progressive scan Aptina Micron CMOS imager and powerful real-time image processing hardware that delivers HDTV image quality at 2.0 megapixel resolution. This camera features H.264 compression to optimize image quality, and lower system bandwidth and storage requirements.

The BLK-IPS102M features an unobtrusive compact housing, and can be powered via 12 V DC or PoE to simplify installation. This flexible and powerful camera is an ideal choice for applications requiring forensic details, and is easily accessible over the network or across the Internet.

VCA advanced Intelligent Video Analytics are built into the BLK-IPS102M and are designed to add additional detection accuracy based on user definitions. VCA operates at the edge, keeping overall system requirements at a minimum while improving the effectiveness of the solution. The BLK-IPS102M includes VCA Presence, an intelligent object detection and camera tampering suite, which adds improved alerting over traditional pixel based detection methods. Additional VCA packages, VCA Access and VCA Pro, are available as optional upgrades offering more advanced detection types and object counting capabilities.

Like all DIGIOP IP and Megapixel cameras, the BLK-IPS102M is integrated with DIGIOP hybrid and NVR video management solutions, and comes with lifetime technical support.

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VCA Analytics

VCA Analytics are included on all DIGIOP BLACK cameras. Analytics work right of the box and include a self-learning algorithm that automatically adapts to the environment. Start using VCA-PRESENCE right away, and call us to upgrade to VCA-ACCESS or VCA-PRO.

VCA-PRESENCE

Intrusion and Camera Tampering Detection

VCA-PRESENCE comes standard with all Digiop Black IP products and provides a very effective and easy to use intruder detection and tracking system.*

- 40 user definable detection and non-detection zones
- Includes VCA Surveillance Tracker
- Cameras Tamper Detection

VCA-ACCESS

People/Vehicle Counting and Tailgating Detection

VCA-ACCESS upgrade includes:*

- All features of VCA-PRESENCE
- Line crossing people/vehicle counting
- On-screen counters
- Tailgating Detection

VCA-PRO

Advanced Detection Suite

VCA-PRO upgrade includes:*

- All features of VCA-PRESENCE and VCA-ACCESS
- Advanced People Tracker
- Object Classification and Speed Filters
- Direction Detection
- Loitering/Dwell Detection
- Enter/Exit Detection
- Appear/Disappear Detection
- Abandoned/Removed Object Detection
- Stopped Detection
- Abandon & object removal
- Advanced people tracker

* Requires DIGIOP ELEMENTS™ Single Channel IP License + DIGIOP Data Single Channel Activation License for use with DIGIOP ELEMENTS™. Additional licensing may be required for third-party VMS.

VCA-PRESENCE detects when an object such as a person or vehicle is inside a crossing line or zone. This smart motion detection reduces false alerts by ignoring environmental changes and repetitive movements such as trees swaying in the wind.

VCA-ACCESS allows for user defined detection lines coupled with on-screen counters allowing you to track the number of people or vehicles that enter or exit an area.

VCA-PRO offers numerous detection filters and utilizes the Advanced People Tracker to ensure accurate detections in high density traffic scenes.

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Specifications

Camera Module

Image Sensor	Aptina (Micron) 1/3.2" (4:3) CMOS 2M
Effective Pixels	1600 x 1200 (UXGA, 2M)
Scanning system	Progressive Scan
Dynamic Range	71dB
SNR	Max 42.3dB
Minimum Illumination	0.5 Lux(50IRE), 0.1 Lux(DSS x5 ON)
Lens (Optional)	CS Mount
Day & Night	Digital

Video

Megapixel Compression		H.264 and MJPEG
Compression Formats		H.264, MPEG-4, and MJPEG
Number of Streams		Dual Stream, Configurable
Resolution		See Resolutions table below
Compression FPS	H.264	5 fps@UXGA (1600 x 1200) 8 fps@SXGA (1280 x 1024) 12 fps@HD720 (1280 x 720) 15 fps@XGA (1024 x 768), D1 (720 x 480)
	MJPEG	15 fps@UXGA (1600 x 1200)
	MPEG4	15 fps@D1 & 720 x 480)
Motion Detection		Support (DSP)
Burnt-in Text		Support (DSP)
BNC Video Output		Not Available

Audio

Input / Output	1/1 Channel
Compression Format	G.711

Function

Digital Input	1 Channel (Dry and Wet Contact Selectable)
Digital Ouput	1 Channel (Dry Contact)
RS-485	Support
RS-232	Not Available
Network	10/100 Base-T
Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, SNTP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, FTP, DDNS, SSL v2/v3, IEEE 802.1X, SSH
USB 2.0	Support (Mini-B plug)
SD Slot	Supported (Micro SD type)
Audio Input	Line-in, 1.43Vp-p(Min 1.35Vp-p, max 1.49 Vp-p), 39 KΩ
Audio Output	Line-out, 46mW Power, 16 Ω
Sensor(D/I)	TTL level 4.5V threshold, Max 50mA
Alarm(D/O)	Max 500mA@24VAC or 1A@12 V DC
Power Source (Approx)	12V DC or PoE IEEE802.3af (class o)
Power Consumption	3.6 W (DC 12 V) / 4.1 W (PoE)
Operating Temperature	32˚F ~ 122 ˚F (0 ˚C ~ 50 ˚C)
Operating Humidity	Up to 85% RH (Non-condensing)
Dimension	2.16"(W) x 2.16"(H) x 3.64"(D) [55(W) x 55(H) x 91.4(D) mm]
Weight (Approx)	0.57 lbs (260 g)

Dimension Diagram