BLACK

BLK-IPS101
H.264 Network IP Camera

Analytics Capable

KEY FEATURES

- 1/3" Sony Double Scan CCD delivers superior image quality with advanced Wide Dynamic capabilities

- Delivers 720 x 480 high quality H.264 compressed video at up to 30 IPS frame rate

- True Day/Night function with Mechanical ICR for greater low light sensitivity with low digital noise

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

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

Superior network IP video solutions for traditional indoor and outdoor applications

The BLK-IPS101 offers advanced IP Intelligence making it a powerful addition to any system. This camera is specifically designed to use in harsh and diverse lighting scenarios by using Wide Dynamic technology, delivering superior 720 x 480 resolution at 30 images per second. Features H.264 compression to optimize the image quality while producing lower bandwidth and video storage requirements.

VCA advanced Intelligent Video Analytics are built into the BLK-IPS101 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-IPS101 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.

Additionally, the BLK-IPS101 includes true day/night with a mechanical ICR which delivers greater low light sensitivity with low digital noise. It also offers DC Auto Iris support, Audio In/Out support, Digital I/O support, Micro SD support, and operates on 12VDC or 802.3af Power over Ethernet (PoE). Like all DIGIOP IP cameras, the BLK-IPS101 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

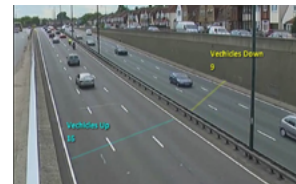### VCA-PRO

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	Sony 1/3" SONY DS CCD
Effective Pixels	768 x 494 (NTSC) / 752 x 582 (PAL)
Scanning System	2 : 1 Interlace
Max Resolution	720 x 480
Dynamic Range	52dB (x128)
Minimum Illumination	0.3 Lux / F1.2 (Color), 0.002 Lux (Sens-up)
Lens (Option)	CS Mount
Day & Night	IR Cut Filter Remove

Video

Compression Format	H.264, MPEG-4, MJPEG
Number of Streams	Dual Stream, Configurable
Resolution	D1, CIF, QCIF
Compression FPS	25/30 fps @ all resolutions
Deinterlacing	Support (DSP)
Motion Detection	Support (DSP)
Burnt-in Text (Digital)	Support (DSP)
Output	1 Loop Out (BNC Connector)

Audio

Input	1 channel
Output	1 channel
Compression Format	G.711

Function

Digital Input	1 channel
Digital Output	1 channel
RS-485	Support
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, PPPoE, SSL v2/v3, IEEE 802.1X, SNMP, SSH, and IPv6
USB 2.0	Support (Mini-B Plug)
SD Memory	Support (microSD)

Electrical

Power Source	12 V DC or P0E IEEE 802.3af (class o)
Power Consumption (Approx)	4.63 W (DC 12 V) / 5.4 W (PoE)

Environmental

Operating Temperature	32 °F ~ 122 °F (0 °C ~ °50 C)
Operating Humidity	Up to 85% RH (Non-condensing)

Mechanical

Dimension	2.16" (W) x 2.16" (H) x 3.64" (D)
Weight (Approx)	0.59 lbs (270g)

Dimension Diagram