BLACK

BLK-IPE4101
Four Channel IP Video Encoder

Analytics Capable

KEY FEATURES

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

- 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 RS-485 PTZ support, Audio & Alarm in/out and USB 2.0

- Comes equipped with 12 V DC power supply

Superior network IP video solutions for enhancing traditional analog systems

The BLK-IPE4101 offers advanced IP Intelligence, featuring powerful real-time image processing hardware that seamlessly converts traditional analog to digital video, delivering full frame rate video at D1 resolution. This encoder features H.264 compression to optimize image quality, and lower system bandwidth and storage requirements.

The BLK-IPE4101 features a compact housing, accepts four video streams and produces a digital stream accessible over the network or across the Internet. This encoder is ideal for leveraging your existing infrastructure and enhancing your legacy system as you migrate to an IP solution.

VCA advanced Intelligent Video Analytics are built into the BLK-IPE4101 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-IPE4101 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 networking products, the BLK-IPE4101 is integrated with DIGIOP hybrid and NVR video management solutions, and comes with lifetime technical support.

BLK-IPE4101
Single Channel IP Video Encoder

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.

BLK-IPE4101

Single Channel IP Video Encoder

3 YEAR WARRANTY

Specifications

Video

Input	4 channel
Output	1 channel
Compression Format	H.264, MPEG-4, MJPEG
Number of Streams	Dual Stream, Configurable
Resolution	D1, 4CIF, 2CIF, VGA, CIF, QVGA, QCIF
Compression FPS	100/120 fps @ all resolutions
Deinterlacing	Optional (on/off)
Motion Detection	Built-in (DSP)
Burnt-in Text (Digital)	Video stream overlay text (DSP)

Audio

Input	4 channel
Output	4 channel
Compression Format	G.711

Function

Digital Input	4
Digital Output	4
Serial Port	RS-232C, RS-485
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, SNMP v2/v3
USB 2.0	A Plug (Local storage, Wireless LAN)

Electrical

Power Source	12V DC, DC Jack
Power Consumption (Approx)	13.2 W (DC 12 V)

Environmental

Operating Temperature	-4° ~ 140° (-20° ~ 60°)
Operating Humidity	Up to 85% RH, Non-condensing

Mechanical

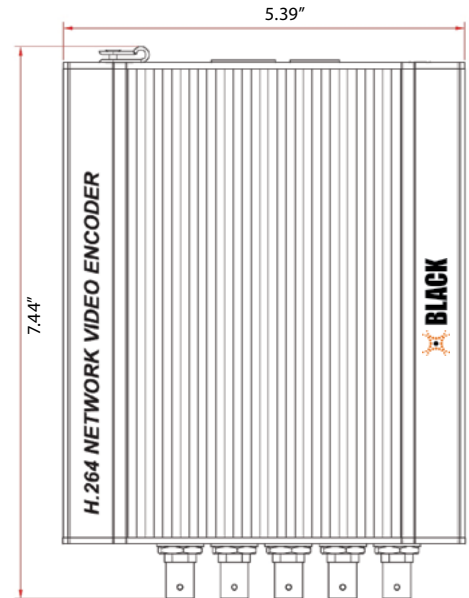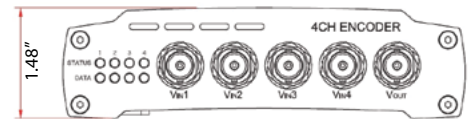|	
Dimension	5.39"(W) x 1.49"(H) x 7.4"(D)
Weight (Approx)	1.7 lbs. (771 g)

Dimension Diagram
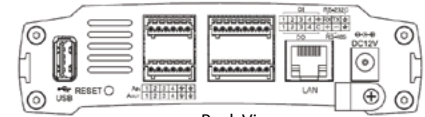
Back View

Top View

Front View