



## BLK-IPS103

High Resolution IP Camera



### KEY FEATURES

- Superb image quality using Sony 1/3" HAD CCD, producing 550 lines of resolution at 0.00001 lux
- Delivers up to 30 FPS high res de-interlaced video @ full D1, 720 x 480
- Features H.264 compression technology for optimized image quality, and lower bandwidth and storage requirements
- Advanced features include True Day / Night, Wide Dynamic Range, Audio & Alarm in/out, and microSD support
- Supports 12VDC or Power over Ethernet (IEEE 802.3af) for simplified installation

### Superior network IP video solutions for traditional indoor and outdoor applications

The BLK-IPS103 offers the latest in IP Network and compression technology, featuring a Sony DS CCD imager and powerful real-time image processing hardware that delivers full frame rate video at D1 resolution. This camera features latest H.264 compression to optimize image quality, and lower system bandwidth and storage requirements.

The BLK-IPS103 features an unobtrusive compact housing, supports DC auto-iris lenses, and can be powered via 12VDC or PoE to simplify installation. This flexible and powerful camera is a perfect solution for securing residences, small businesses, schools, parking structures, or hotels over the network or across the Internet.

Like all DIGIOP IP and Megapixel cameras, the BLK-IPS103 is deeply integrated with DIGIOP hybrid and NVR video management solutions, and comes with lifetime technical support.

# BLK-IPS103

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## Specifications

Camera Module		
CCD	Image Sensor	SONY 1/3" Super HAD CCD
	Effective Pixels	NTSC: 768(H) x 494(V); PAL: 752(H) x 582(V)
	Scanning system	2:1 interlace
	Size	1/3 inch interline transfer CCD
Sync	Frequency	NTSC: 15.734 KHz (H) 59.94 Hz(V); PAL: 15.625 KHz(H) 50.00 Hz (V)
	Resolution	550 TV lines
	S/N (Y signal)	52 dB (AGC off, weight on)
	Min. Illumination	0.00001 Lux/F1.2 (Sens-up x 256)
	Wide Dynamic Range	52 dB (x128)
	Color	ON/AUTO
	AGC Control	OFF/LOW/MIDDLE/HIGH selectable
	White Balance	ATW/AWB/INDOOR/OUTDOOR/MANUAL/AWC
	Electronic Shutter Speed	1/60 sec ~ 1/100,000 sec,
	Sens-Up	AUTO/FIXED/OFF (Selectable Limit*2 ~ 258)
DNR	ON (level 0 ~ 100)/OFF selectable	
Lens (option)		CS mount
Day & Night		True Day & Night, IR Cut Filter
Video		
Compression Format		H.264, MPEG-4, MJPEG selectable per stream
Number of Streams		Dual stream, configurable
Resolution		D1, 4CIF, VGA, CIF, QVGA, QCIF
Compression FPS		25/30 fps@D1 (PAL/NTSC)
Deinterlacing		Supported (DSP)
Motion Detection		Supported
Burnt-in Text (Digital)		Supported (DSP)
Output		1 Loop Out (BNC connector)
Audio		
Input/output		1/1 channel
Compression Format		G.711
Function		
Digital Input/output		1/1 channel
RS-485		Supported
Network		10/100Base-T
Power over Ethernet		Supported
Protocol		TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTCP, RTP/UDP, RTP/TCP, SNMP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, FTP, DDNS, SSL v2/v3, IEEE 802.1X, SSH
USB 2.0		Supported – mini-B plug
SD Slot		Supported – MicroSD (MicroSD card not included)

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Electrical characteristics	
Video Output	1 Vp-p, 75Ω
Audio Input	Line-in, 1.43 Vp-p (min 1.35 Vp-p, max 1.49 Vp-p), 39 KΩ
Audio Output	Line-out, 46 mW Power, 16 Ω
Sensor(D/I)	TTL level 4.5 V threshold, Max 50 mA
Alarm(D/O)	Max 500 mA @ 24 V AC or 1A @ 12 V DC
Power Source	12 V DC or PoE IEEE 802.3af (Class 0)
Power Consumption (Approx)	5.76W (DC12V) / 4.2W (POE)
Environmental requirements	
Operating Temperature	32°F ~ 122°F (0°C ~ 50 °C)
Operating Humidity	Up to 85% RH
Mechanical	
Material	Aluminum Die Casting-2
Color	White Pearl
Dimensions	Housing : 2.17" (W) x 2.17" (H) x 3.71" (L)
Weight	.596 lbs (270 g) without Lens