

SKY-AV3100 3.0 Megapixel Network IP Camera



Arecont Vision Advantages

- Superior Low Light Performance
- Unparallel High Definition Resolution
- Fastest MegaPixel Image Rates
- Forensic Zooming
- Reduced overall System Cost
- Cost Effective
- Full or 1/4 Resolution
- Simultaneous full field of view and Region-of-interest (ROI)
- Image cropping allows streaming of full density partial images
- On-camera motion detection
- Mechanical IR Cut Filter (DN Version)

Operational

Imaging

Active Pixel Count
Minimum illumination

Dynamic range
Maximum SNR

3.0 megapixel CMOS image sensor
1/2" optical format
Bayer mosaic RGB filter
2048(H) x 1536(V) pixel array
Color: 0.1 Lux @ F1.4
Day/Night: 0 Lux, IR sensitive
60 dB
45 dB

Full Field of View (FOV) Resolutions

2048x1536 (HxW) 3.0 megapixel
1024x768 (HxW) 1/4 resolution

Cropped Field of View Resolutions

1920x1200 WUXGA
1920x1080 HDTV - 1080p
1600x1200 2 MP
1280x1024 1.3 MP
1280x720 HDTV - 720p
1024x768 XGA
800x600 SVGA
704x570 PAL
704x480 NTSC

640x480 VGA
352x288 CIF
320x240 SIF

Data Transmission

Data rate	up to 55Mbps	
Video frame rate up to:	15fps @ 2048x1536	20fps @ 1920x1200
	22fps @ 1920x1080	24fps @ 1600x1200
	32fps @ 1280x1024	
Compression type	Motion JPEG	
	21 levels of quality	
Transmission protocols	TFTP, HTTP	
	100 Base-T Ethernet Network Interface	

Programmability

Auto Exposure (AE) and Gain Control (AGC) >120dB
On-camera real-time motion detection with 64 detection zones
Auto backlight compensation
Auto multi-matrix white balance
50/60Hz selectable flicker control
Electronic pan, tilt, zoom (PTZ)
Electronic image flip - 180 degree rotation
Resolution windowing down to 32x32 pixels window
Programmable shutter speeds to minimize motion blur
MoonLight™ mode - extended exposure and proprietary noise cancellation
Programmable resolution, brightness, saturation, gamma, sharpness, tint
Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
Bandwidth & storage savings by running at 1/4 resolution

Electrical

Opto-coupled alarm or trigger input, opto-coupled alarm and flash sync output
Power over Ethernet (PoE): PoE 802.3af
DC input: auxiliary 15V-48V DC
Power consumption 3 Watts maximum
Optional DC AI connection (AV3100 - AI)

Mechanical

Dimensions	(H x W x D) 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
Weight	8.6 oz (243 grams) (w/o lens)
Lens	C/CS lens mount

Environmental

Operating temperature	0°C (32 °F) to +50°C (122 °F)
Storage temperature	-20°C (-4 °F) to +60°C (140 °F)
Humidity	0% to 90% (non condensing)

Regulatory

FCC and CE compliant