

## SKY-AV2100 2.0 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

2.0 megapixel CMOS image sensor

1/2" optical format

Bayer mosaic RGB filter

Active Pixel Count 1600(H) x 1200(V) pixel array

Minimum illumination Color: 0.1 Lux @ F1.4

Day/Night: 0 Lux, IR sensitive

Dynamic range 60 dB

Maximum SNR 45 dB

### Full Field of View (FOV) Resolutions

1600x1200 (HxW) 2.0 megapixel

800x600 (HxW) 1/4 resolution

### Cropped Field of View Resolutions

1280x1024 1.3 Megapixel

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:	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 (AV2100 - 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