AV5105 Arecont Vision megapixel technology... beyond imagination 5 Megapixel H.264 IP MegaVideo® camera

AV5105 (Color) AV5105DN (Day/Night)

AV5105-AI (Color Auto-Iris)

Arecont Vision Advantages:

World's First Full Line of H.264 Megapixel Cameras

- 1.3 to 5 megapixels with no frame rate reduction H.264 (MP EG4 Part 10) Compression Standard
 - Simultaneous support of both H.264 and MJPEG
- 10x average bandwidth and storage reduction over MJPEG **Multi-S**
 - Up to 4 concurrent non-identical streams with different
 - frame rates, bit rates, resolutions and picture quality
- Bit Rate (
 - Maintain desired bandwidth and storage size

Real Time Streaming Protocol (RTSP)

• Allows for compatibility with media players such as Apple QuickTime, Windows Media Player, VLC Player, etc.

Superior Low Light Pe • 1/2.5" CMOS Sensor

olution - 2592 x 1944 Unpara

• Sixteen times the resolution of IP VGA or analog cameras

Fastest /

• Up to 9fps in 5 megapixel mode

Forensic

• Zoom live or after-event while recording full field of view in HD ... replace PTZ devices

Reduce

• Less cameras to install, less wiring, no external power (POE), less NVR licensing fees

Cost Effic

Comparable cost to IP VGA & analog cameras

Full or 1/4

- Can be selected for either live viewing or archiving purposes Other ke
 - 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) and more

The AV5105 series network camera is part of Arecont Vision's full line of H.264 megapixel cameras. This fully compliant implementation of H.264 (MPEG 4, Part 10) is capable of sustaining over 80 billion operations per second and maintaining full motion progressive scan 2592 x 1944 video at 9 fps. Part of the MegaVideo® line of cameras, it offers bandwidth and storage efficiency of 10X greater on average over traditional megapixel counterparts.

Learn more about our products at WWW.arecontvision.com

www.arecontvision.com

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Specifications

Model Numbers:

AV5105 - Color AV5105-AI - Color Auto-Iris AV5105DN - Day/Night

Imaging

- 5 megapixel CMOS image sensor
- 2592(H) x 1944(V) pixel array
- 1/2.5" optical format
- 2.2 μm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - Color: 0.3 Lux @ F1.4
 - Day/Night: 0 Lux, IR sensitive
- Dynamic range 70.1 dB
 Maximum SNR 44.1 dB
- Maximum SNN 44.1 GD

Full Field of View (FOV) Resolutions

• 2592(H)x1944(V) 5 megapixel • 1296(H)x968(V) 1/4 resolution

Cropped Field of View Resolution

• 2560x1600	QWXGA
• 2048x1536	3MP
• 1920x1200	WUXGA
• 1920x1080	HDTV-1080p
• 1600x1200	2MP
 1280x1024 	1.3MP
• 1280x720	HDTV - 720p
• 1024x768	XGA
• 800x600	SVGA
• 704x570	PAL
• 704x480	NTSC
• 640x480	VGA
• 352x288	CIF
• 320x240	SIF

Data Transmission

- Video frame rate up to:
 - 9fps @ 2592x1944
 - 12fps @ 2560x1600
 - 15fps @ 2048x1536
 - 24fps @ 1600x1200
 - 30fps @ 1280x1024
- Compression type
 - H.264 (MPEG4, Part 10)
 - Motion JPEG
 - 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
 - bit rate control from 100Kbps to 10Mbps
 - bit rate control available for full view, multi view, and archive
 - unthrottled data rate up to 55Mbps
- Multi-streaming: 4 non-identical streams

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 speed to help control 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

Made in USA

Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12-48VDC and 24VAC
 Power consumption 5 Watts maximum
- Optional DC Al connection (AV5105 Al)

Regulatory Approvals

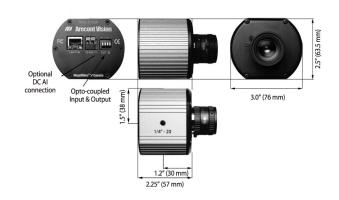
FCC, CE and RoHS compliant

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)

Mechanical

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



Housing Accessories:

Dome 4-I - Indoor 4" Vandal Dome Dome 4-O- Outdoor 4" Vandal Dome Dome 5-I - Indoor 5" Recessed Dome HSG1-O-W - Outdoor Environmental Housing w/Heater/Blower

Lenses:

MPL4-10 MPL8-16 MPL4.0 MPL6.0 MPL8.0 LENS4-13 LENS4-10AI

* Other megapixel lenses are also available with Arecont Vision's housing options.



beyond imagination

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