



## IP MegaPixel Cameras



**Annexus 301D2M Dome Camera**

### Features

- Vandal resistant
- 4X varifocal, 3-Axis Rotation
- Embedded Linux OS
- PoE, 12VDC/24VAC
- TI DaVinci hardware
- MPEG4 or H.264 video compression
- 4CIF real time video composite output
- 1 channel audio compression
- Supports dual video compression stream, 2-way audio
- Supports motion detection
- Supports sensor alarm input and relay output
- 1 year warranty

### Application & Benefits

The i<sup>3</sup>DVR development team is launching a revolutionary network camera, the Ax301 D2M Network Color Camera Dome!

This two (2) megapixel camera with vandal resistant (1000 kg) and waterproof (IP67) features belongs to our arsenal of Network Video Recording (NVR) i<sup>3</sup>-Pro solutions. The Ax301D2M captures high resolution images at 1600x1200 pixels and permits dual stream video in various resolutions. The Ax301D2M also offers 2-way audio and the convenience of power over Power Over Ethernet (PoE). At i<sup>3</sup>DVR, we believe in giving you more for less and making your technologies work for you!

Our cameras have been tested by experts who understand the rigorous conditions of your business. We wouldn't want it otherwise because we believe that partnering with the right people gives i<sup>3</sup> DVR a technological advantage that helps build trusting relations. At i<sup>3</sup>DVR, we work hard at securing your business.



**Annexus 301C2M Camera**

### Features

- TI DaVinci hardware compression
- H.264 video compression
- 2 megapixel/4CIF/2CIF/CIF/QCIF
- Supports dual video compression stream
- Supports motion detection
- Supports EPTZ
- 1 channel audio compression / 2-way audio
- Support Internet Explore for network preview
- Supports SD card for local recording
- Supports alarm input and relay output
- PoE, 24VAC
- 1 year warranty

### Application & Benefits

i<sup>3</sup>DVR's two mega-pixel camera is another addition to our Network Video Recording (NVR) i<sup>3</sup>-Pro solution. The ability to capture high resolution images at 1600x1200 pixels is a big advantage when considering the labour cost of implementation.

The Annexus 301C2M works well with i<sup>3</sup>DVR's i<sup>3</sup>-Pro or SRX-Pro software. The ability to combine any analog, select IP, and the Annexus 301C2M camera on one single platform is the simplicity of i<sup>3</sup>DVR innovation!

The stability of the Annexus 301C2M relies on the Embedded Linux OS. It operates independently and does not need any third-party software to produce high quality video images. Annexus 301C2M uses the latest TI DaVinci chip and H.264 video compression algorithms making it stand out from any mega-pixel camera. Mega-pixel cameras provide much greater resolutions which produce better quality images and permit more detailed searches within the image itself. Mega-pixel cameras equate fewer cameras installations, reduced labor costs, simpler and greener setups. Most importantly, they interface very well with our SRX-Pro DVMS and i<sup>3</sup>-Pro NVR systems.



**Annexus 301C Camera**

### Features

- TI DaVinci hardware compression
- H.264 video compression
- Support 4CIF/2CIF/CIF/QCIF real time compression
- Supports dual video compression stream
- Supports motion detection
- 1 channel audio compression / 2-way audio
- Support Internet Explore for network preview
- Supports SD card for local recording
- Supports alarm input and relay output
- Support BLC (Back Light Compensation) function
- PoE, 24VAC
- 1 year warranty

### Application & Benefits

The Annexus 301C works well with i<sup>3</sup>DVR's i<sup>3</sup>-Pro or SRX-Pro software. The ability to combine analog and select IP (including Annexus 301C) cameras on a single platform is the simplicity of i<sup>3</sup>DVR innovation!

The stability of the Annexus 301C relies on the Embedded Linux OS. It operates independently and does not need any third-party software to produce high quality video images. Annexus 301C uses the latest TI DaVinci chip and H.264 video compression algorithms making it stand out from any other IP camera on the market. IP cameras mean reduced labor costs, simpler and greener setups. Most importantly, they interface very well with our SRX-Pro DVMS and i<sup>3</sup>-Pro NVR systems.

Product	Annexus Megapixel Dome Camera	Annexus Megapixel Camera	Annexus Network Camera
i3 Part No.	Ax301D2M	Ax301C2M	Ax301C
Software Integration	SRX-Pro 1.512, iP-Pro 1.512, and IE 6.0	SRX-Pro 1.512, iP-Pro 1.512 or above	SRX-Pro 1.512, iP-Pro 1.512 or above
Image Sensor	1/3" 2 Mega Pixel CMOS	1/3" 2 Mega Pixel CMOS	1/3" Sony Super HAD CCD
Effective Pixels	1600 (H) X 1200 (V)	1600 (H) X 1200 (V)	
Horizontal Resolution	--	--	535 TV Lines
Lens	--	Lens not included	Lens not included
Lens Mount	--	C/CS mount	C/CS mount
<b>Video Compression</b>			
Video Compression	MPEG-4/H.264	H.264	H.264
Video Output	32K ~ 2M, Adjustable (8Mbps max.)	32K ~ 2Mbps, Adjustable (8Mbps max.)	32K ~ 2Mbps, Adjustable (8Mbps max.)
Image Resolution (NTSC/PAL)	1600x1200, 704x480/704x576, 704x240/7 4x288, 352x240/352x288, 176x120/176x144	NTSC/PAL: 1600x1200, 1280x720, 704x480/704x576, 704x240/704x288, 352x240/352x288, 176x120/176x144	NTSC/PAL: 704x480/704x576, 704x240/704x288, 352x240/352x288, 176x120/176x144
Frame Rate (NTSC/PAL)	30 FPS (60Hz)/25 FPS (50Hz) @ D1, 2CIF, CIF and QCIF 10 FPS (60Hz)/12FPS (50Hz) @ UXGA	10 FPS (60Hz)/12FPS (50Hz) @ 1600x1200 NTSC/PAL: 30 FPS (60Hz)/25 FPS (50Hz) @ 4CIF, 2CIF, CIF and QCIF	NTSC/PAL: 30 FPS (60Hz)/25 FPS (50Hz) @ 4CIF, 2CIF, CIF and QCIF
<b>Software</b>			
Web Browser	Microsoft Internet Explorer 6.0 or above	Microsoft Internet Explorer 6.0 or above	Microsoft Internet Explorer 6.0 or above
Password Protect	Configured by the Administrator	Configured by the Administrator	--
Utilities	--	Annexus Finder, Annexus Player	Annexus Finder, Annexus Player
<b>Electrical</b>			
Sync. System	Internal	Internal	Internal
Built-in Lens	f= 2.7 ~ 9 mm, F1.2, varifocal (Megapixel lens)	--	--
View Angle	Horizontal: 101°(W) ~ 30.4°(T), Vertical: 75°(W) ~ 23°(T)	--	--
Gamma Correction	0.45	--	--
Minimum Illumination	0.5 Lux (F1.2); 0.1 Lux (F1.2, Sensitization X5)	0.5 Lux (F1.2); 0.1 Lux (F1.2, Sensitization X5)	0.1 Lux (F1.2)
Monitor Output	1Vp-p Composite Output, 75 Ω	1Vp-p Composite Output, 75 Ω	1Vp-p Composite Output, 75 Ω
Audio Input	2.0 Vp-p, 1KΩ	2.0 Vp-p, 1KΩ	2.0 Vp-p, 1KΩ
Audio Output	Linear Electrical Level, 600Ω	Linear Electrical Level, 600Ω	Linear Electrical Level, 600Ω
Alarm	1 input and 1 output	1 input and 1 output	1 input and 1 output
USB	Yes	Yes	No
<b>Network</b>			
Ethernet	Ethernet(10/100 Base-T) Self-Adaptive; RJ-45	Ethernet(10/100 Base-T) Self-Adaptive	Ethernet(10/100 Base-T) Self-Adaptive
Protocol	HTTP, TCP/IP, Multicast	HTTP, TCP/IP, Multicast	HTTP, TCP/IP, Multicast
<b>Interface</b>			
Monitor Output	1Vp-p Composite Output, 75 Ohms	1Vp-p Composite Output, 75 Ohms	1Vp-p Composite Output, 75 Ohms
Network Port	RJ45 Female	RJ45 Female	RJ45 Female
USB Port	Type A Female	Type A Female	
Audio IN & OUT Ports	3.5mm Phone Jacks	3.5 mm (1/8") audio mono jacks	3.5 mm (1/8") audio mono jacks
Alarm IN & OUT Ports	Screwless Terminal Blocks	Screwless Terminal Blocks	Screwless Terminal Blocks
RS-485 Port	Screwless Terminal Blocks (for future applications, currently not in use)	Screwless Terminal Blocks (for future applications, currently not in use)	Screwless Terminal Blocks (for future applications, currently not in use)
<b>Power Supply</b>			
Power Requirement	12VDC/24VAC ± 10%; PoE (Power over Ethernet)	24VAC ± 10%; PoE (Power over Ethernet)	24VAC ± 10%; PoE (Power over Ethernet)
Power Consumption	6W (Max.)	5W (Max.)	5W (Max.)
<b>Environment</b>			
Operating Temperature	-10°C ~ 50°C (14 ~ 122 °F)	-10°C ~ 50°C (14 ~ 122 °F)	-10°C ~ 50°C (14 ~ 122 °F)
Operating Humidity	30% ~ 90% RH	30% ~ 90% RH	30% ~ 90% RH
Storage Temperature	-20°C ~ 60°C (-4 ~ 140 °F)	--	--
<b>Mechanism</b>			
Angle control (3-AXIS)	350° approx	--	--
Panning range	180° approx	--	--
Tilting range	90° approx	--	--
Dimensions(WxH)	160mm × 145mm (6.3" × 5.7")	65mm × 67mm x 122mm (2.5" × 2.6" x 4.8")	65mm × 67mm x 122mm (2.5" × 2.6" x 4.8")
Weight	1,300g (2.87lbs) approx.	600g (1.32lbs) approx.	600g (1.32lbs) approx.
Vandal Resistant	1,000kg (2204 lbs) impact resistance	--	--
<b>Certifications</b>			
	IP67, FCC, CE	FCC, CE	FCC, CE