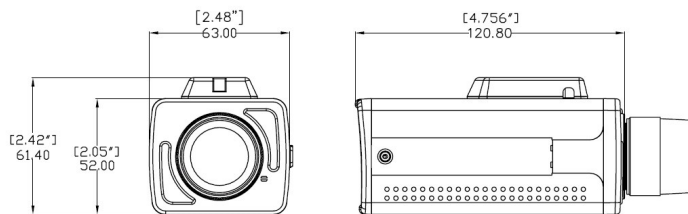




AIC-5300 Series MPEG-4 Real-time Network Streaming IP Camera



(Lens is not included)



Unit: mm [inch]

Main Features:

- 1/3" SONY Super HAD / Exview HAD with 470K/410K pixels
- Backlight Compensation, Auto Iris Control, Auto White Balance supported
- Super Gain Control, IR cut-filter switching mechanism (AIC-5320)
- Day and night function (AIC-5320)
- MPEG-4 ASP compliant hardware compression
- CIF up to Full D1 resolution at 30/25 FPS
- Digital time code embedded.
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- DDNS supported
- QoS enabled (L3) video streaming
- PoE (IEEE 802.3af) supported (AIC-5301/AIC-5321)

MPEG-4 compression gives a high resolution image quality

The AIC-5300 series MPEG-4 IP Camera adopts MPEG-4 Advanced Simple Profile (ASP) compliant compression technology to perform full D1 (4 CIF) resolution. It utilizes the premium 1/3" SONY color CCD sensor, and has horizontal resolution of 480 TV lines. The real-time image transmission is 30 fps (720 x 480 pixels, NTSC) and 25 fps (720 x 576 pixels, PAL).

Advanced network technologies enable real-time surveillance

With the LAN and WAN ports built-in, the AIC-5300 series applies QoS (Quality of Service, IEEE 802.1Q) technology to fully utilize the network bandwidth. AIC-5300 series supports automatic (or manual) frame rate control for concurrent video streams accessing at different network bandwidth.

With advanced MPEG-4 ASP compliant video compression and QoS-enabled streaming, the AIC-5300 series delivers smooth analog-video like transmission over LAN or WAN to reach true remote video surveillance goal. The AIC-5300 series not only supports DDNS, but also has a built-in web server to enable authorized users to do live-viewing and adjust the camera setting via remote web browsers.

Sophisticate Design

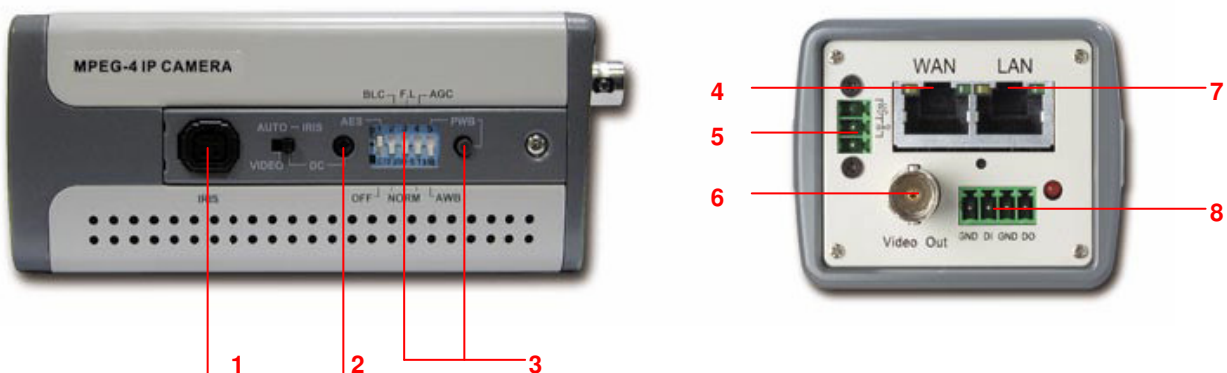
In addition to support of the DC and a video auto iris lens, the AIC-5300 series also has DIP-switch controlled functions including backlight compensation, auto white balance, auto gain control and flickerless for different application conditions. With Super Gain Control mechanism, it will switch to color and monochrome picture automatically (AIC-5320).

Product Specification

		AIC-5300	AIC-5320
Image	Device	Interline Transfer SONY Super HAD CCD	Interline Transfer SONY Exview HAD CCD
	Size	1/3 inch	
	Effective Pixels (HxV)	811 x 508 (NTSC); 795 x 596 (PAL)	
	Horizontal Resolution	480 TVL / 380 TVL	480 TVL
Min. Illumination	Color	0.15 Lux at F1.2 (30 IRE, SAGC)	Color mode automatically switched to B/W mode under 4 Lux
	B/W	N/A	0.05 Lux at F1.2 (30 IRE, SAGC)
	IR Sensitivity	N/A	from 700nm to 1100nm
Lens	Lens Mount	C / CS (with adaptor)	
Synchronization	Sync. System	Internal	
Day/Night Functions	Day/Night Switching	N/A	Mechanical IR Cut Filter: Auto; Colour/Monochrome
Functions	Motion Detection	Yes (3 windows)	
	Electronic Shutter	AES On: 1/60 (1/50) ~ 1/100,000 sec. (NTSC/PAL); AES Off: 1/60 (1/50) sec. (NTSC/PAL);	
	BLC	On / Off (switchable)	
	AGC	On / Off (switchable)	On / Off (switchable) Turning off AGC will disable D&N function
	White Balance	AWB / PWB (switchable)	
	Flickerless	On / Off (switchable)	
	Auto Iris Control	Video / DC (switchable)	
S/N Ratio	S/N Ratio	Better than 50 dB (AGC off)	
Video (Compression)	Compression	MPEG-4 ASP Compliant	
	Picture Resolution	Full D1 (720 x 480 in NTSC, 720 x 576 in PAL); CIF (352 x 240 in NTSC, 352 x 288 in PAL); QCIF (160 x 112 in NTSC, 176 x 144 in PAL)	
	Bit Rate	28K ~ 3M bps	
	Image Frame Rate	30 fps at full D1 resolution (NTSC); 25 fps at full D1 resolution (PAL)	
Video Output	Composite Output	CVBS, 1.0Vp-p with 75 Ω loading, BNC Connector	
Alarm	Input	1, TTL, terminal block	
	Output	1, TTL, terminal block	
External I/O	Reset Button	Reset button	
	LED	System status	
Network	LAN Port	Ethernet(10/100 Base-T), RJ-45 connector	
	WAN Port	Ethernet(10/100 Base-T), RJ-45 connector	
	Protocol	TCP, UDP, IP, HTTP, DHCP, DDNS, PPPoE, RTP, IGMP, RTSP,	
Software	Web Browser	Microsoft Internet Explorer 6.0 or above	
	SDK	ActiveX control, C SDK	
	Security	Password Protection : configured by the administrator	
Operating	Temperature	5°C~50°C (40°F~122°F)	
Power	Power Requirement	DC12V ±10% (AIC-5300/5320); PoE (IEEE802.3af) with Class 3 (AIC-5301/5221); AC24V ±10% (AIC-5302/5222)	
	Power Consumption	9 W	12 W
Physical	Dimensions (WxHxD)	63 mm x 52 mm x 120 mm (2.48" x 2.05" x 4.76")	
	Weight	450 g (0.99 lb)	

Specifications are subject to change without prior notice.

I/O Port, Switches Diagram



- 1. Auto Iris lens control port
- 2. DC level
- 3. Function DIP switch

- 4. WAN port
- 5. DC 12 V/AC 24 V power input
- 6. Composite video output

- 7. LAN port
- 8. Digital input/output

Ordering Information

Part Number	Full D1	NTSC	PAL	480TVL	DC12V	PoE	AC 24 V	D & N
AIC-5300BP	V		V	V	V			
AIC-5300BN	V	V		V	V			
AIC-5301BP	V		V	V		V		
AIC-5301BN	V	V		V		V		
AIC-5302BP	V		V	V			V	
AIC-5302BN	V	V		V			V	
AIC-5320BP	V		V	V	V			V
AIC-5320BN	V	V		V	V			V
AIC-5321BP	V		V	V		V		V
AIC-5321BN	V	V		V		V		V
AIC-5322BP	V		V	V			V	V
AIC-5322BN	V	V		V			V	V