MPEG-4 Real-time Network Streaming IP Camera with Day & Night option

CAM-5100/5120

* The lens is not included.

- 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 (CAM-5120)
- Day and night function (CAM-5120)
- MPEG-4 ASP compliant compression
- CIF up to Full D1 resolution at 30/25 FPS
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- QoS enabled (L3) video streaming

MPEG-4 compression gives a high resolution image quality

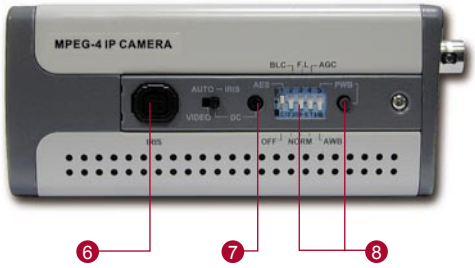
The CAM-5100 MPEG-4 IP Camera adopts MPEG-4 Advanced Simple Profile (ASP) compliant compression technology to perform full D1 (4 CIF) resolution. It utilizes the premium 1/3" SONY color CCD sensor, and has horizontal resolution of 480 TV lines. The real-time image transmission is 30 fps (720 x 480 pixels, 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 CAM-5100 applies QoS (Quality of Service, IEEE 802.1Q) technology to fully utilize the network bandwidth. CAM-5100 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 CAM-5100 delivers smooth analog-video like transmission over LAN or WAN to reach true remote video surveillance goal. The CAM-5100 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 CAM-5100 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 (CAM-5120).



1. Composite video output
2. Digital input/output
3. DC 12 V power input
4. WAN port
5. LAN port
6. Auto Iris lens control port
7. DC level
8. Function DIP switch

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CAM-5100/5120

PRODUCT SPECIFICATION

		CAM-5100	CAM-5120
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. scene Illumination	Color	0.15 Lux at F1.2 (30 IRE, SAGC) (CAM-5100H) 0.15 Lux at F1.2 (30 IRE, AGC) (CAM-5100M/S)	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 700 nm to 1100 nm
Lens	Lens Mount	C / CS (with adaptor)	
Synchronization	Sync. System	Internal	
Day/Night Functions	Day/Night Switching	N/A	Mechanical IR cut filter: auto; color/monochrome
Functions	Motion Detection	Yes (3 windows)	
	Electronic shutter	AES On: 1/60 ~ 1/100,000 sec. (NTSC); AES Off: 1/60 sec. (NTSC); AES On: 1/50 ~ 1/100,000 sec. (PAL); AES Off: 1/50 sec. (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 (720x480 in NTSC, 720x576 in PAL); CIF (352x240 in NTSC, 352x288 in PAL); QCIF (160x112 in NTSC, 176x144 in PAL)	
	Bit Rate	28 K ~ 3 M 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	
Remote Control	Serial Port	RS-485: half duplex, RJ-45	
External I/O	Reset Button	Factory default	
	LED	Power 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, PPPoE	
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	DC 12 V ±10%	
	Power Consumption	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)	

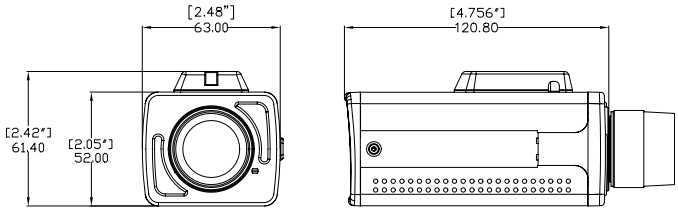
ORDERING INFORMATION

Part Number	Full D1	CIF	NTSC	PAL	480 TVL	380 TVL	DC 12V	D & N
CAM-5100HN	V		V		V		V	
CAM-5100HP	V			V	V		V	
CAM-5100MN	V		V			V	V	
CAM-5100MP	V			V		V	V	
CAM-5100SN		V	V			V	V	
CAM-5100SP		V		V		V	V	
CAM-5120HN	V		V		V		V	V
CAM-5120HP	V			V	V		V	V

ACCESSORY OPTIONS

- Lens, f3.0~8mm F1.0, CS mount, Format 1/3" for CAM-5100
  0690-00002-000
- Lens, f5.0~55mm F1.4, CS mount, Format 1/3" for CAM-5100
  0690-00004-000
- Lens, f3.0~8.5mm, F1.0, CS mount, Format 1/3", for CAM-5120
  0690-00012-000
- Lens, f7.5~50mm, F1.3, CS mount, Format 1/3" for CAM-5120
  0690-00013-000

DIMENSION DIAGRAM



Unit: mm [inch]

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