

MPEG-4, Real-time Network Streaming IP Camera

CAM-5100



* The lens is not included.

- 1/3" color CCD sensor
- MPEG-4 ASP compliant hardware compression
- CIF up to Full D1 resolution
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- QoS enabled (L2, L3) for video streaming (UniCast/MultiCast)
- Min. 0.15 Lux at F=1.2
- Backlight Compensation, Auto Iris Control, Auto White Balance supported
- Digital time code embedded
- Built-in motion detection

► **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 high resolution as superior as DVD. It utilizes the premium 1/3" CCD color sensor, and has general 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 802.1pQ) technology to fully utilize the network bandwidth. CAM-5100 supports automatic (or manual) frame rate control for concurrent video streams accessing in different network bandwidth.

It also applied in the video streaming so that users can browse the real-time image, reaching the complete surveillance goal.

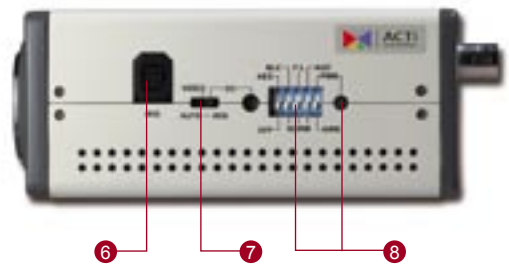
The CAM-5100 not only supports DDNS, but also has the built-in web server to enable authorized users to adjust the camera setting via remote browser.

► **Sophisticate design**

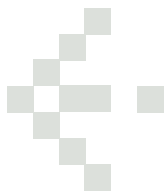
In addition to adopt the DC and video auto iris, the CAM-5100 also has adjustors including back light compensation, auto white balance, auto gain control and flickerless for different application conditions.



- 1 Composite video output
- 2 Digital input/output
- 3 DC 12 V power input
- 4 WAN port



- 5 LAN port
- 6 Auto IRIS
- 7 DC level
- 8 CCD setting



CAM-5100

PRODUCT SPECIFICATION

Image System	
Image Sensor	1/3" color CCD
Effective Pixels(HxV)	811 x 508 (NTSC) 795 x 697 (PAL)
Resolution	480 TVL / 380 TVL
Min. Illumination	0.15 Lux at F=1.2
Auto Electronic Shutter	AES On: 1/50 (60) sec. ~ 1/100,000 sec; AES Off: 1/50 (60) sec.
Backlight Compensation	On/Off (switchable)
Signal to Noise Ratio	More than 50 dB (AGC off)
F.L. (Flickerless)	On/Off (switchable)
Automatic Gain Control	On/Off (switchable)
Auto Iris Control	Video/DC (switchable)
Auto White Balance	AWB(ATW)/PWB (switchable)
Video Output	1Vp-p Composite/75Ω
Lens Mount	C/CS (with adaptor)
Compression	MPEG-4 ASP compliant hardware compression
Resolution	QCIF (160 x 112 in NTSC, 176 x 144 in PAL) CIF (352 x 240 in NTSC, 352 x 288 in PAL) Full D1 (720 x 480 in NTSC, 720 x 576 in PAL)
Image Frame Rate	30 fps at full D1 resolution (NTSC) 25 fps at full D1 resolution (PAL)
Network	
Ethernet	10/100base-T x2 for LAN/WAN
Protocol Supported	TCP, UDP, HTTP, PPPoE, DDNS, DHCP, IGMP
QoS	Layer 2, 3

I/O Connector	
Network	RJ-45 x2 (WAN/LAN)
Serial Port	RJ-45 x1 (RS-485)
Analog Video Output	Composite x1, BNC connector (NTSC/PAL)
Digital Input	Terminal blocks x1 • Logic Level 0: 0 ~ 0.8 V • Logic Level 1: 2.31 ~ 5.3 V
Digital Output	Terminal blocks x1 • Logic Level 0: 0 ~ 0.5 V • Logic Level 1: 2.8 ~ 3.3 V

Mechanical & Environment	
Dimensions (W x H x D)	63 x 52 x 119 mm (2.48" x 2.05" x 4.69")
Weight	450 g (0.99 lb)
Power Requirement	12 V / 1 A / 12 W
Operation Temp.	5 °C ~ 50 °C (40 °F ~ 122 °F)

Others	
Watch Dog Timer	5 sec
Security	Password/username protection for restricted camera access
General Functions	• Motion detection with multiple sensitivity windows • Built-in Web Server and network interface • Digital time-code embedded
Client Software OS Supported	Win 2000, Win XP, Win 2003
Certification	CE, FCC

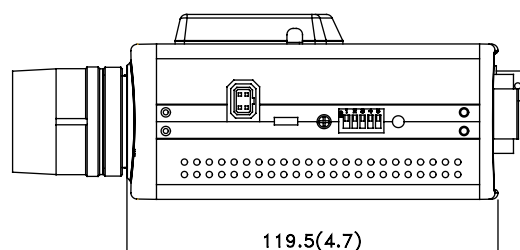
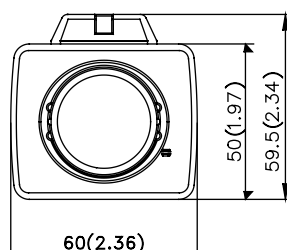
ORDERING INFORMATION

Part Number	Full D1	CIF	NTSC	PAL	480 TVL	380 TVL
CAM-5100HN	✓		✓		✓	
CAM-5100HP	✓			✓	✓	
CAM-5100MN	✓		✓			✓
CAM-5100MP	✓			✓		✓
CAM-5100SN		✓	✓			✓
CAM-5100SP		✓		✓		✓

ACCESSORY OPTIONS

- Lens, f3.3~8mm F1.4, CS mount, Format 1/3" 0690-00001-000
- Lens, f3.0~8mm F1.0, CS mount, Format 1/3" 0690-00002-000
- Lens, f6.0~18mm F1.2, CS mount, Format 1/3" 0690-00003-000
- Lens, f5.0~55mm F1.4, CS mount, Format 1/3" 0690-00004-000

DIMENSION DIAGRAM



Unit: mm [inch]

* All specifications are subject to change without notice.
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