

# STC-IPM3095A/IPM3096A

## CCD Megapixel IP Cameras (Software Day/Night and Day/Night)

- **Sony ExViewHAD Progressive Scan CCD**
- **Up to SXGA (1280x960) resolution at 12.5 fps**
- **Up to 0.02 Lux (STC-IPM3095A) and 0.003 Lux (STC-IPM3096A) minimum scene illumination at F1.2, 50 IRE, Slow Shutter**
- **Mechanical IR cut filter (STC-IPM3096A)**
- **Frame integration mode**
- **MPEG-4/MJPEG compression**
- **Backlight compensation**
- **Built-in hardware motion detection**
- **Alarm input/output**
- **Two-way audio**
- **Recording to SD card**
- **Power supply: 12 VDC / 24 VAC / PoE**
- **Service monitor output**

The STC-IPM3095A/IPM3096A features Sony Ex-ViewHAD Progressive Scan megapixel CCD, providing substantial improvement of several characteristics, including minimum scene illumination, signal to noise ratio and color rendering. SXGA image resolution allows to use the STC-IPM3095A/IPM3096A in applications where image detail is critical, while electronic zoom feature serves for visual enlargement of certain image areas.

### Day-and-Night Surveillance

STC-IPM3095A cameras feature software Day/Night mode, while the STC-IPM3096A series are equipped with mechanical IR cut filter, allowing to use the cameras in low light environment. All cameras in the series support manual setup of illumination threshold (3 levels) for automatic camera switching from color to B/W mode. To avoid spontaneous switching between day and night operation modes, STC-IPM3095A/STC-IPM3096A allow to set 5, 10, 15, or 30 sec. switching delay.

To improve video quality in extremely low light environment, Slow Shutter mode is offered, when the camera automatically selects frame integration level up to 4 seconds. A special external input is provided for synchronization of STC-IPM3096A switching to B/W mode with IR illuminator activation.



### Simultaneous MPEG-4 or M-JPEG Video Streaming

The STC-IPM3095A/IPM3096A supports simultaneous transmission of two MJPEG and MPEG-4 video streams. In MJPEG all camera resolutions are supported, including megapixel SXGA (at 12.5 fps), with adjustable video compression ratio. MPEG-4 allows to use VGA or QVGA resolution and frame rate of up to 25 fps.

### Camera Response to Motion or External Sensor Alarm

The built-in motion detection has three sensitivity levels, with detection area configurable using 8x6 grid. When motion detection or alarm sensor is activated, IP cameras can trigger video recording to remote server or SD card, enable alarm device, send event notification with alarm frames attached to specified e-mail addresses or FTP server.

### Video Recording to SD Cards

SD memory card slot allows to record up to 2 GB of information directly from the camera without use of any accessories. The card can be used for event, pre-alarm and post-alarm frames recording. The IP camera allows to set up card overwrite mode as well as enable backup in case of FTP server fail.

### Hybrid Power Supply and Two-way Audio

The STC-IPM3095A/IPM3096A cameras allow to select any of three power supply types: 12 VDC, 24 VAC, or PoE technology. Since each STC-IPM3095A/IPM3096A is equipped with audio input and output, full duplex monophonic audio connection with the controlled area can be easily arranged.

# MEGAPIXEL IP CAMERAS

## IP Video Viewing and System Administration

Since the STC-IPM3095A/IPM3096A is equipped with a built-in web server, you can view camera video on any network PC in a standard web browser window. To build IP

video surveillance systems, NetStation video management software is recommended, which allows to perform remote video surveillance and supports eMaps, multichannel video recording, search and playback, as well as PTZ control.

## Specifications

Model:	STC-IPM3095A/1	STC-IPM3096A/1
Camera Type:	Software Day/Night	Day/Night
Image Sensor:	1/3" Sony ExViewHAD Progressive Scan CCD	
Effective Pixels:	1280(H) x 960(V)	
Compression:	MPEG-4/MJPEG	
Resolution:	SXGA (1280x960) at 10- 15 fps VGA (640x480) at 25 fps QVGA (320x240) at 25 fps	
Minimum Scene Illumination:	0.4 Lux (F1.2, 50 IRE) 0.02 Lux (F1.2, 50 IRE, 4 sec. frame integration)	Color.: 0.4 Lux (F1.2, 50 IRE) B/W: 0.06 Lux (F1.2, 50 IRE) 0.02 Lux (F1.2, 50 IRE, 4 sec. frame integration)
Mechanical IR Cut Filter:	No	Yes
Synchronization:	Internal	
Electronic Shutter:	1/25- 1/10000 sec. or Auto; Slow Shutter (up to 4 sec.) supported	
Backlight Compensation:	Zone (1-6)/Auto/Off	
White Balance:	2500K- 10000K	
AGC:	Low/Medium/High	
Audio:	Two-way mono audio transmission/Full Duplex	
Audio Input/Output:	Line input: 1.4 V, 3.5 mm jack	
Motion Detection:	8x6 grid, 3 sensitivity levels	
Alarm Input/Output:	1xIN (NO/NC), 1xOUT	
Service Monitor Output:	BNC	
SD Card Slot:	Up to 2 GB SD memory cards supported	
SD Card:	2 GB supplied	
Network Connection:	Ethernet 10/100Base-T, RJ-45	
Protocol:	TCP/IP, UDP/IP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP	
Web Browser:	Internet Explorer 6.0 or higher	
Operating Temperature:	-10° to +50°C, humidity up to 80%	
Lens Mount:	CS	
Input Voltage:	12 VDC / 24 VAC PoE (IEEE 802.3af), Class 3	
Power Consumption:	< 8 W	
Dimensions:	160mm (L) x 66mm (H) x 55mm (W)	
Weight:	470 g	

## Accessories

STB-C01	Wall/ceiling camera bracket; aluminium; 175 mm
STB-C02	Wall/ceiling mount bracket; aluminium; cable feedthrough; 170 mm
NetStation	16-channel IP video recording/monitoring software for Smartec, Axis, Arecont Vision, JVC and other IP devices; expandable to 64 video/audio channels per server. Multiserver and hybrid configurations supported. Interactive graphic maps. Client software for PC, Palm PC, smart phone. Multilingual.