

speco technologies®

# Speco Internet Protocol (SIP)

*An enterprise level network solution for IP cameras*



**Normal Resolution Cameras**  
feature Intensifier Technology,  
Network and Composite video outputs

**Weatherproof Bullets**

**SIPB1**

2.8-11mm auto iris varifocal lens

**SIPB2**

5-50mm auto iris varifocal lens

**Tamperproof/Weatherproof Domes**

**SIPD3**

2.8-11mm auto iris varifocal lens

**SIPD4**

5-50mm auto iris varifocal lens

**Traditional Camera**

**SIPT5**

Uses CS type lenses

**SIPSD10X**

Motorized Speed Dome Indoor/Outdoor

3.8-38mm lens with mechanical IR filter

**1.3 Megapixel Cameras**

include day/night function w/ mechanical IR filter

**Weatherproof Bullet**

**SIPMPB**

4.2mm megapixel lens – 48 LEDs

**Tamperproof/Weatherproof Dome**

**SIPMPD**

4.2mm megapixel lens

**Traditional Megapixel Camera**

**SIPMPT5**

Uses CS type lenses

## Features

- Compatible with major third party software suites such as Milestone Systems and ONSSI
- All cameras in the SIP series come with advanced NVR software at no extra charge
- Power Over Ethernet (IEEE 802.3af) and/or 12V DC (*not available on SIPSD10X*)
- 2-way audio
- Works with Speco Technologies hybrid DVRs as well as other major manufacturers
- Adjustable bandwidth to meet all network infrastructures
- Available in normal resolution and megapixel versions
- Remotely view up to 16 cameras in one window... from anywhere in the world!
- Changeable/Selectable Ports allow one IP address to handle multiple cameras
- Support of Dynamic and Static IP addresses
- Analog composite video output for local viewing (normal resolution models only)
- Video servers and decoders also available
- 5 year warranty

Specifications subject to change

For more information contact us at:

Speco Technologies 200 New Highway, Amityville, NY 11701 Web: [www.specotech.com](http://www.specotech.com)  
Toll Free: 1-800-645-5516 In Metro NY: 631-957-8700 Fax: 631-957-9142 or 631-957-3880

# Specifications: Speco Internet Protocol (SIP) Cameras - Normal / 1.3 Megapixel Resolution

## Specifications for normal resolution cameras

### Weatherproof Bullets

#### SIPB1

2.8-11mm auto iris varifocal lens

#### SIPB2

5-50mm auto iris varifocal lens

#### SIPT5

Traditional Camera - Uses CS type lenses

### Tamperproof/Weatherproof Domes

#### SIPD3

2.8-11mm auto iris varifocal lens

#### SIPD4

5-50mm auto iris varifocal lens

#### SIPSD10X

Motorized Speed Dome Indoor/Outdoor 3.8-38mm lens with mechanical IR filter

### Camera Specifications

Image Sensor	1/3" Sony™ Super-HAD CCD 410K
Horizontal Resolution	540 TV Lines
Total Pixels	811 x 508(NTSC)
Effective Pixels	768 x 494 (NTSC)
Electric Shutter	1/60 ~ 1/200,000sec (NTSC) 1/50 ~ 1/200,000sec (PAL)
Min. Scene Illumination	0.002Lux (Intensifier), 0.3Lux (Shutter)
Scanning System	2:1 Interlaced 525 Lines / 60Fields / 30
Synchronization	Internal
S/N Ratio	50dB(Weight On)
Day/Night	Software method
OSD (On Screen Display)	Built-in
White Balance	ATW / AWC / Manual
SLC (Speco Light Compensation)	Off / Low / Middle / High
AGC	Off / Low / Middle / High
Dynamic Noise Reduction (DNR)	Off / Low / Middle / High
Intensifier	Built-in (selectable Limit ~ X128) Off / Low / Middle / High
Color	Auto (Auto Day/Night) / On
Motion Detection	Off /On
Privacy	Off /On (4 Programable Zones)
Video output	1.0V [p-p] NTSC Composite, 75 / BNC
Power Source	12V DC (300mA) PoE (IEEE802.3af) with Class 3 -10 ~ +50 ( - 14 ~122 )
Operational Temperature	-10 ~ +50 ( - 14 ~122 )
Operational Humidity	30% ~90% RH
Dimensions (WxHxD)	64 mm x 55.4 mm x 120mm
Weight	0.7kg

### Network Specifications

#### Video Compression

Compression	MPEG-4
Resolution	Full D1 (720x480 in NTSC, 720x576 in PAL) VGA (640x480 inNTSC, 640x480 in PAL) CIF (352 x 240 in NTSC, 352x288 in PAL) QCIF (176x120 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)

#### Audio Input

Compression	8kHz, Mono, PCM
Audio Line Input	Unbalanced, 1.4 Vp-p 1Vrms, terminal Block

#### Audio Output

Compression	8kHz, Mono, PCM
Audio Line Output	Unbalanced, 1.4 Vp-p 1Vrms, terminal Block

#### External I/O

Reset Button	Factory default
Joystick	OSD Control

#### Network

Ethernet	Ethernet(10/100 Base-T),RJ-45 connector
Protocol	TCP, UDP ,IP, HTTP, DHCP, PPPoE, RTP, RTSP

#### Software

Web Browser	MS Internet Explorer 6.0 or above
Security	Password protection: configured by administrator
Compatibility	Most major 3rd party software suites
NVR Software	Included at no additional charge

## Specifications for 1.3 megapixel cameras

### Weatherproof Bullet

#### SIPMPB

4.2mm megapixel lens – 48 LEDs

### Tamperproof/Weatherproof Dome

#### SIPMPD

4.2mm megapixel lens

### Traditional Megapixel Camera

#### SIPMPT5

Uses CS type lenses

### Camera Specifications

Image Device	Micron Progressive Scan Super CMOS
Image Size	1/3 inch
Effective Pixels	1280 x 1024
Min. Illumination	Color: 0.5 Lux at F1.8 (30 IRE,MAX AGC) B/W: 0.05 Lux at F1.8 (30 IRE,MAX AGC)
CDS Sensor	Yes (SIPMPB)
IR Sensitivity	from 700 nm to 1100 nm (SIPMPB)
Lens Mount	C /CS with adaptor (SIPMPT5)
Sync. System	Internal
Mech. IR Cut Filter	Yes (SIPMPB & SIPMPD)
Motion Detection	Yes (3 Windows)
Electronic Shutter	1/10 ~ 1/2,000 sec. (60Hz); 1/10 ~ 1/2,000 sec. (50Hz)
Flickerless	1/120 sec. (60Hz); 1/100 sec. (50Hz)
BLC	Yes
AGC	Automatic (User defined)
White Balance	6 modes (AUTO, INDOOR1, INDOOR2, OUTDOOR1, OUTDOOR2, HOLD CURRENT, MANUAL) configurable
S/N Ratio	Better than 48 dB
Video Compression	MPEG-4, MJPEG selectable
Picture Resolution	SXGA (1280x1024); HD 720 (1280x720); VGA (640x480)

### Image Frame Rate

Image Frame Rate	Up to 8 fps at SXGA resolution; Up to 10 fps at HD720 resolution; Up to 30 fps at VGA resolution
Audio Input	8 kHz, Mono, PCM
Audio Line Input	Unbalanced, 1.4Vp-p, 1Vrms, 3.5 mm Jack
Audio Output	8 kHz, Mono, PCM
Audio Line Output	Unbalanced, 1.4Vp-p, 1Vrms, 3.5 mm Jack
Alarm Digital Input	1, terminal block
Transistor Output	1, terminal block
Reset Button	Factory default
Internal I/O LED	System status
Network	Ethernet (10/100Base-T), RJ-45 connector
Protocol	TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP, FTP, SMTP, DNS, DDNS, NTP, ICMP, IGMP, ARP, 3GPP
Web Browser	Microsoft Internet Explorer 6.0 or above
SDK	ActiveX control, C SDK
Security	Password protection: configured by administrator
Operating Temp.	0 °C ~ 50 °C (32 °F ~ 122 °F)
Power Requirement	PoE (IEEE802.3af) with Class 3
Power Consumption	3.3 W (DC 12 V); 4.3 W (PoE)
Dimensions (WxHxD)	2.64" x 2.17" x 5.10"
Weight	0.88 lb.



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