

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 (IP66 rating)

SIPB1

2.8-11mm auto iris varifocal lens

SIPB2

5-50mm auto iris varifocal lens

Tamperproof/Weatherproof Domes (IP67 rating)

SIPD3

2.8-11mm auto iris varifocal lens

SIPD4

5-50mm auto iris varifocal lens

Traditional Camera

SIPT5

Uses CS type lenses

SIPSD10X (IP66 weatherproof rating)

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 (IP66 rating)

SIPMPB

4.2mm megapixel lens – 48 LEDs

Tamperproof/Weatherproof Dome (IP67 rating)

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
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

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	30% ~90% RH
Operational Humidity	64 mm x 55.4 mm x 120mm
Dimensions (WxHxD)	Weight
Weight	0.7kg

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

Network Specifications

Video Compression

Compression	MPEG-4
Resolution	Full D1 (720x480 in NTSC, 720x576 in PAL) VGA (640x480 in NTSC, 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

Audio Input

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
External 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

SDK	Microsoft Internet Explorer 6.0 or above
Security	ActiveX control, C SDK
Operating Temp.	Password protection: configured by administrator
Power Requirement	0 °C ~ 50 °C (32 °F ~ 122 °F)
Power Consumption	PoE (IEEE802.3af) with Class 3
Dimensions (WxHxD)	3.3 W (DC 12 V); 4.3 W (PoE)
Weight	2.64" x 2.17" x 5.10"

Up to 8 fps at SXGA resolution; Up to 10 fps at HD720 resolution; Up to 30 fps at VGA resolution

8 kHz, Mono, PCM

Unbalanced, 1.4Vp-p, 1Vrms, 3.5 mm Jack

8 kHz, Mono, PCM

Unbalanced, 1.4Vp-p, 1Vrms, 3.5 mm Jack

1, terminal block

1, terminal block

Factory default

System status

Ethernet (10/100Base-T), RJ-45 connector

TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP, FTP, SMTP,

DNS, DDNS, NTP, ICMP, IGMP, ARP, 3GPP

Microsoft Internet Explorer 6.0 or above

ActiveX control, C SDK

Password protection: configured by administrator

0 °C ~ 50 °C (32 °F ~ 122 °F)

PoE (IEEE802.3af) with Class 3

3.3 W (DC 12 V); 4.3 W (PoE)

2.64" x 2.17" x 5.10"

0.88 lb.



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