



Archived resources

For further resources and
documentation please visit us:
www.cinos.net

Nextiva

S5503 IP PTZ Camera Series with H.264 Technology



The Nextiva® S5503 IP PTZ camera series incorporates advanced Verint H.264 encoding technology with a high-performance PTZ platform. The results are ultra-efficient cameras with superior imagery, lower network bandwidth utilization, and full integration with the Nextiva video management portfolio.

Excellent Video Quality, More Effective Video Surveillance

The feature-rich S5503 series includes 18x, 28x and 36x optical zoom lens models for a variety of applications, as well as superior low light, day/night performance, and excellent dynamic range for challenging lighting conditions. Verint encoding technology delivers H.264 or MJPEG compression at up to 4CIF resolution at 30 fps. The S5503 IP PTZ camera series also features full simultaneous analog video out and control, for live recording and seamless operation in a variety of environments. This allows security personnel to operate the camera with zero control lag on-site, or to remotely control the PTZ with Nextiva Video Management Software or the Nextiva EdgeVR® network video recorder.

The S5503 IP PTZ camera series features programmable tilting, auto pan and alarm inputs. The cameras offer 360° continuous pan and can burst pan at 430°/sec for programmable stops. With an impressive 184° tilt range for viewing areas above their horizon and up to 24 programmable privacy masks, the S5503 cameras combine high-performance with the recognition that not all footage should be seen by the operator – making the S5503 IP PTZ camera series the perfect urban or city-center devices.

Easy to Install and Manage, Plus Lower Service Costs

Verint offers a wide selection of S5503 IP PTZ cameras with a variety of monitoring options and housings to meet your needs. From the in-ceiling 18x model, to the pendant-mount 28x, and 36x weatherized model, the S5503 IP PTZ cameras come in a wide selection of types, housings, and mounting options to meet an array of installation and operational requirements.

Nextiva S5503 cameras snap into the housing, for easy installation. When removed, the housing retains all programmed functions in its on-board memory.

Fully Integrated with Nextiva and EdgeVR

The Nextiva S5503 camera series is fully integrated with Nextiva Video Management software — centralized device management, automated health monitoring, remote video viewing, and more — and with other Nextiva solutions, including the Nextiva EdgeVR IP-based network video recorder. Nextiva continuously monitors the performance of the S5503 IP Cameras, with automated diagnostics and problem correction for greater uptime and lower service costs.

At A Glance:

- IP PTZ dome for use indoors or outdoors, day or night
- Easy to deploy and service on ceilings or walls, with on-board memory, snap-in installation, and low power consumption
- Privacy mask and image freeze
- 360° continuous rotation pan/tilt drive with 256 programmable preset positions
- Up to 36x optical zoom lens (up to 432x optical/digital zoom)
- Easy to configure and manage using Nextiva

TECHNICAL SPECIFICATIONS

S5503PTZ-18ID-N / S5503PTZ-18ID-P — 18x Indoor In-Ceiling Mount



IMAGING	
• CCD	1/4" Sony SuperHAD CCD
• Optical Zoom	18X
• F-Stop Range	F1.4 – F3.0
• Focal Length	4.1mm (wide) - 73.8mm (tele)
• View Angle	48.0° (wide) to 2.8° (tele)
• Minimum Working Distance	290mm (wide), 800 mm (tele)
• Effective Pixels (HxV)	NTSC = 380k pixels, PAL = 440k pixels
• Scanning System	2:1 Interlace / NTSC = V: 59.94Hz, H: 15.734KHz / PAL V: 50Hz, H: 15.625KHz
• Sync Systems	Internal / line-lock
• Analog Video Output	1Vpp composite output, 75 ohm
• Horizontal Resolution	560 TVL
• S/N Ratio	> 50dB
• Zoom Limit	216x (18x Optical, 12x Digital)
• Focus	Auto (sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF
• Minimum Illumination	0.7 lux/1/60 sec (NTSC), 1/50 sec (PAL), 0.04 lux/1/4 sec (NTSC), 1/3 sec (PAL), ICR-ON Mode:0.01 lux/1/4 sec (NTSC), 1/3 sec (PAL)
• Gain Control	Auto/Manual (-3 to 28 dB, 2 dB steps)
• Color Enhancement	On/Off
• White Balance	Auto, ATW, One-push, Indoor, Outdoor, Manual, Sodium Vapor Lamp (Fix/Auto)
• Electric Shutter	1/4(1/3) to 1/10,000sec. 20 Steps
• Auto Slow Shutter	On / Off
• AE Control	Auto, Manual, Priority mode, Bright, EV compensation, Back-light compensation
• Backlight Compensation	On/Off
• Alarm Function	Yes
• Day/Night Mode	Auto / Manual
• Wide Dynamic Range	133x
• 3D Noise Reduction	On/Off (6 steps)
• Motion Detection	Yes
VIDEO	
• Resolution	Scalable from CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 pixels for PAL)
• Framerate	1-30 NTSC, 1-25 PAL
• Streams	3 x H.264, 1 x MJPEG streams (4 streams total)
• Performance	D1/30fps on all streams simultaneously up to 10Mbps
• Bandwidth	Each stream configurable from 30Kbps to 6Mbps
NETWORK	
• Interface	RJ-45, Ethernet 10/100 Base-T
• Transport Protocols	RTP/IP, UDP/IP, TCP/IP, or Multicast IP
• Other Protocols	DNS, NTP, SNMPv1/v2c/v3 (MIB-II), HTTP, HTTPS, DHCP client and 802.1x
• Security	SSL-based authentication, password protected, HTTPS
PICTURE EFFECT	
• Mechanical Flip E-Flip	Yes
• Mirror Image	Yes
P/T OPERATIONS	
• Pan Range	360° Continuous
• Tilt Range	170° (85° each hemisphere)
• Manual Pan Speed	0.1° - 90° /sec
• Manual Pan Speed (Turbo)	150° /sec
• Manual Tilt Speed	0.1° - 45° /sec
• Preset Speed	Pan: 430°/sec (max); Tilt: 200°/sec (max)
• Proportional P/T	Yes
• Pan/Tilt Limit	User definable
• Auto Flip	On/Off
• Zoom Limit	18x (optical only), 36x, 72x, 144x, 216x
• Programmable Preset	256 points
• Programmable Tours	4 pattern tours up to 6 minutes total
• Privacy Zone	On/Off, up to 24 zones of 3D Privacy Masking
• Alarm	6 inputs / 1 output
• Preset Titles	Max 20 characters
• Password Protection	Alphanumeric Dome OSD setup protection
• Pan Accuracy	Super Fine Pan 0.04° Accuracy
• Motion Detection	On/Off
PROTOCOLS	
• Remote Control	Pelco P/D, GE-Kalatel, Bosch, Ernitec, Tyco
• Interface	RS485 (2-wire)
• Baud Rate	2400, 4800, 9600, 19200 bits/sec (DIP-sw selectable)
MECHANICAL/ENVIRONMENT	
• Operating Temperature	-10°C to 50°C (-14°F to 122°F)
• Operating Humidity	20% to 80% RH
• Storage Temperature	-20°C to 60°C (-4°F to 140°F)
• Dimensions(øxH)	250mm [ø] x 257mm [H] (9.8" [ø] x 10.1" [H])
• Weight	Net Weight 3.60 kg (7.7 lb), Shipping Weight: 7.0 kg (15.5 lb)
ELECTRIC	
• Power Requirement	24V AC
• Power Consumption	18W (Max)
OSD	
• Language Support	English
REGULATION	
• Regulatory	RoHS compliant, FCC Part 15 (Subpart B, Class A) Canada - ICES03 class AEU - CE marking CE marking (EN55022, EN55024)
• Vandal Proof	—
• Water/Dust Ingression	—
• Available Mounts	In Ceiling Only (no mounting kits required)

TECHNICAL SPECIFICATIONS

S5503PTZ-28DW-N / S5503PTZ-28DW-P — 28x Indoor/Outdoor Pendant Mount

IMAGING	
• CCD	1/4" SONY ExView HAD CCD
• Optical Zoom	28x
• F-Stop Range	F1.35 ~ F3.7
• Focal Length	3.5 mm (wide) ~ 98 mm (tele)
• View Angle	55.8° (wide end) ~ 2.1° (tele end)
• Minimum Working Distance	10 mm (wide) ~ 1500 mm (tele)
• Effective Pixels (HxV)	NTSC = 380k pixels, PAL = 440k pixels
• Scanning System	2:1 Interlace / NTSC = V: 59.94Hz, H: 15.734KHz / PAL V: 50Hz, H: 15.625KHz
• Sync Systems	Internal / line-lock
• Analog Video Output	1Vpp composite output, 75 ohm
• Horizontal Resolution	560 TVL
• S/N Ratio	> 50dB
• Zoom Limit	336x (28x Optical, 12x Digital)
• Focus	Auto (sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF
• Minimum Illumination	0.65 lux (1.35,50IRE), 0.04 lux/1/4 sec (NTSC), 1/3 sec (PAL), ICR-ON Mode:0.005 lux/1/4 sec (NTSC),1/3 sec (PAL)
• Gain Control	Auto/Manual (-3 to 28 dB, 2 dB steps)
• Color Enhancement	On/Off
• White Balance	Auto, ATW, One-push, Indoor, Outdoor, Manual, Sodium Vapor Lamp (Fix/Auto)
• Electric Shutter	1/4 (1/3) to 1/10,000sec. 20 Steps
• Auto Slow Shutter	On / Off
• AE Control	Auto, Manual, Priority mode, Bright, EV compensation, Back-light compensation
• Backlight Compensation	On/Off
• Alarm Function	Yes
• Day/Night Mode	Auto / Manual
• Wide Dynamic Range	133x
• 3D Noise Reduction	On/Off (6 steps)
• Motion Detection	Yes
VIDEO	
• Resolution	Scalable from CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 pixels for PAL)
• Framerate	1-30 NTSC, 1-25 PAL
• Streams	3 x H.264, 1 x MJPEG streams (4 streams total)
• Performance	D1/30fps on all streams simultaneously up to 10Mbps
• Bandwidth	Each stream configurable from 30Kbps to 6Mbps
NETWORK	
• Interface	RJ-45, Ethernet 10/100 Base-T
• Transport Protocols	RTP/IP, UDP/IP, TCP/IP, or Multicast IP
• Other Protocols	DNS, NTP, SNMPv1/v2c/v3 (MIB-II), HTTP, HTTPS, DHCP client and 802.1x
• Security	SSL-based authentication, password protected, HTTPS
PICTURE EFFECT	
• Mechanical Flip E-Flip	Yes
• Mirror Image	Yes
P/T OPERATIONS	
• Pan Range	360° Continuous
• Tilt Range	184° (92° each hemisphere)
• Manual Pan Speed	0.1° - 90° /sec
• Manual Pan Speed (Turbo)	150° /sec
• Manual Tilt Speed	0.1° - 45° /sec
• Preset Speed	Pan: 430°/sec (max); Tilt: 200°/sec (max)
• Proportional P/T	Yes
• Pan/Tilt Limit	User definable
• Auto Flip	On/Off
• Zoom Limit	28x (optical onl),56x,112x,224x,336x
• Programmable Preset	256 points
• Programmable Tours	4 pattern tours up to 6 minutes total
• Privacy Zone	On/Off, up to 24 zones of 3D Privacy Masking
• Alarm	6 inputs / 1 output
• Preset Titles	Max 20 characters
• Password Protection	Alphanumeric Dome OSD setup protection
• Pan Accuracy	Super Fine Pan 0.04° Accuracy
• Motion Detection	On/Off
PROTOCOLS	
• Remote Control	Pelco P/D, GE-Kalatel, Bosch, Ernitec, Tyco
• Interface	RS485 (2-wire)
• Baud Rate	2400, 4800, 9600, 19200 bits/sec (DIP-sw selectable)
MECHANICAL/ENVIRONMENT	
• Operating Temperature	-40°C to 50°C (-40°F to 122°F)
• Operating Humidity	20% to 80% RH
• Storage Temperature	-40°C to 60°C (-40°F to 140°F)
• Dimensions(øxH)	216.6mm [ø] x 324.0mm [H] (85.3" [ø] x 12.8" [H])
• Weight	4.0 kg (8.8 lb)
ELECTRIC	
• Power Requirement	24V AC
• Power Consumption	46W (Max)
OSD	
• Language Support	English
REGULATION	
• Regulatory	RoHS compliant, FCC Part 15 (Subpart B, Class A) Canada - ICES03 class AEU - CE marking CE marking (EN55022, EN55024)
• Vandal Proof	750KG (1,650 lb) impact resistance
• Water/Dust Ingression	IP67
• Available Mounts	Pendant, Wall, Pole, Corner mounting kits available



TECHNICAL SPECIFICATIONS

S5503PTZ-36DW-N / S5503PTZ-36DW-P — 36x Indoor/Outdoor Pendant Mount

IMAGING	
• CCD	1/4" SONY ExView HAD CCD
• Optical Zoom	36X
• F-Stop Range	F1.6 – F4.5
• Focal Length	3.4mm (wide) - 122.4mm (tele)
• View Angle	57.8° (wide) to 1.7° (tele)
• Minimum Working Distance	320mm (wide) to 1500mm (tele)
• Effective Pixels (HxV)	NTSC = 380k pixels, PAL = 440k pixels
• Scanning System	2:1 Interlace / NTSC = V: 59.94Hz, H: 15.734KHz / PAL V: 50Hz, H: 15.625KHz
• Sync Systems	Internal / line-lock
• Analog Video Output	1Vpp composite output, 75 ohm
• Horizontal Resolution	560 TVL
• S/N Ratio	> 50dB
• Zoom Limit	432x (36x Optical, 12x Digital)
• Focus	Auto (sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF
• Minimum Illumination	1.4 lux/1/60 sec (NTSC), 1/50 sec (PAL), 0.1 lux/1/4 sec (NTSC), 1/3 sec (PAL), ICR-ON Mode: 0.01 lux/1/4 sec (NTSC), 1/3 sec (PAL)
• Gain Control	Auto/Manual (-3 to 28 dB, 2 dB steps)
• Color Enhancement	On/Off
• White Balance	Auto, ATW, One-push, Indoor/Outdoor, Manual, Sodium Vapor Lamp (Fix/Auto)
• Electric Shutter	1/4(1/3) to 1/10,000sec. 20 Steps
• Auto Slow Shutter	On / Off
• AE Control	Auto, Manual, Priority mode, Bright, EV compensation, Back-light compensation
• Backlight Compensation	On/Off
• Alarm Function	Yes
• Day/Night Mode	Auto / Manual
• Wide Dynamic Range	133x
• 3D Noise Reduction	On/Off (6 steps)
• Motion Detection	Yes
VIDEO	
• Resolution	Scalable from CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 pixels for PAL)
• Framerate	1-30 NTSC, 1-25 PAL
• Streams	3 x H.264, 1 x MJPEG streams (4 streams total)
• Performance	D1/30fps on all streams simultaneously up to 10Mbps
• Bandwidth	Each stream configurable from 30Kbps to 6Mbps
NETWORK	
• Interface	RJ-45, Ethernet 10/100 Base-T
• Transport Protocols	RTP/IP, UDP/IP, TCP/IP, or Multicast IP
• Other Protocols	DNS, NTP, SNMPv1/v2c/v3 (MIB-II), HTTP, HTTPS, DHCP client and 802.1x
• Security	SSL-based authentication, password protected, HTTPS
PICTURE EFFECT	
• Mechanical Flip E-Flip	Yes
• Mirror Image	Yes
P/T OPERATIONS	
• Pan Range	360° Continuous
• Tilt Range	184° (92° each hemisphere)
• Manual Pan Speed	0.1° - 90° /sec
• Manual Pan Speed (Turbo)	150° /sec
• Manual Tilt Speed	0.1° - 45° /sec
• Preset Speed	Pan: 430°/sec (max); Tilt: 200°/sec (max)
• Proportional P/T	Yes
• Pan/Tilt Limit	User definable
• Auto Flip	On/Off
• Zoom Limit	36x (optical only), x72, x144, x288, x432
• Programmable Preset	256 points
• Programmable Tours	4 pattern tours up to 6 minutes total
• Privacy Zone	On/Off, up to 24 zones of 3D Privacy Masking
• Alarm	6 inputs / 1 output
• Preset Titles	Max 20 characters
• Password Protection	Alphanumeric Dome OSD setup protection
• Pan Accuracy	Super Fine Pan 0.04° Accuracy
• Motion Detection	On/Off
PROTOCOLS	
• Remote Control	Pelco P/D, GE-Kalatel, Bosch, Ernitec, Tyco
• Interface	RS485 (2-wire)
• Baud Rate	2400, 4800, 9600, 19200 bits/sec (DIP-sw selectable)
MECHANICAL/ENVIRONMENT	
• Operating Temperature	-40°C to 50°C (-40°F to 122°F)
• Operating Humidity	20% to 80% RH
• Storage Temperature	-40°C to 60°C (-40°F to 140°F)
• Dimensions(oxH)	216.6mm [ø] x 324.0mm [H] (85.3" [ø] x 12.8" [H])
• Weight	4.0 kg (8.8 lb)
ELECTRIC	
• Power Requirement	24V AC
• Power Consumption	46W (Max)
OSD	
• Language Support	English
REGULATION	
• Regulatory	RoHS compliant, FCC Part 15 (Subpart B, Class A) Canada - ICES03 class AEU - CE marking CE marking (EN55022, EN55024)
• Vandal Proof	750KG (1,650 lb) impact resistance
• Water/Dust Ingression	IP67
• Available Mounts	Pendant, Wall, Pole, Corner mounting kits available



Verint Video and Situation Intelligence Solutions

Verint® Video and Situation Intelligence Solutions™ help protect people, property and assets, and enhance operational efficiency. The award-winning Nextiva® portfolio delivers a sophisticated framework for capturing enterprise-wide IP video and other security and operational information, and provides users with integrated analytics, situation management and operational management capabilities. Designed for use across the enterprise, finance, retail and critical infrastructure markets, Verint solutions help address the top security and operations challenges facing today's organizations through advanced security and business intelligence, vertical solutions and subject matter expertise.

Verint Systems Inc.

Verint® (NASDAQ: VRNT) is the global leader in Actionable Intelligence® solutions and value-added services. Its extensive portfolio of Enterprise Intelligence Solutions™ and Security Intelligence Solutions™ helps worldwide organizations capture and analyze complex, underused information sources – such as voice, video and unstructured text – to enable more timely, effective decisions. More than 10,000 organizations in 150 countries, including over 85 percent of the Fortune 100, use Verint solutions to improve enterprise performance and make the world a safer place. Headquartered in N.Y. and a member of the Russell 3000 Index, Verint has offices worldwide and an extensive global partner network. Learn more at www.verint.com.



videoinfo@verint.com
1-866-NEXTIVA

330 South Service Road
Melville, NY 11747 USA

www.verint.com/videosolutions

Unauthorized use, duplication, or modification of this document in whole or in part without the written consent of Verint Systems Inc. is strictly prohibited.

By providing this document, Verint Systems Inc. is not making any representations regarding the correctness or completeness of its contents and reserves the right to alter this document at any time without notice.

Features listed in this document are subject to change. Please contact Verint for current product features and specifications. All marks referenced herein with the ® or TM symbol are registered trademarks or trademarks of Verint Systems Inc. or its subsidiaries. All rights reserved. All other marks are trademarks of their respective owners.

© 2013 Verint Systems Inc.
All Rights Reserved Worldwide.

March 2013

For further resources and
documentation please visit us:
www.cinos.net