














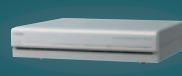
# Sony IP Video Monitoring / Surveillance Solution Camera Line-Up



Sony Network Cameras														
Camera Type	360PTZ	PTZ	PTZ	PTZ	PTZ	Normal MiniDome	Ruggedized MiniDome	Fixed Zoom	Fixed	Fixed	Fixed	Fixed	Fixed	
Camera Specs														
Image Device	1/4 type Exwave HAD* CCD	1/4 type Super HAD* CCD	1/6 type Super HAD* CCD	1/4 type Exwave HAD* CCD	1/4 type progressive scan CCD	1/4 type Super HAD* CCD	1/4 type Super HAD* CCD	1/4 type Exwave HAD* CCD	1/3 type Super Exwave* CCD	1/3 type Exwave HAD* CCD	1/4 type progressive scan CCD	1/4 type progressive scan CCD	1/4 type progressive scan CCD	
Effective Pixel	380,000	340,000	680,000	380,000	330,000	380,000	380,000	380,000	380,000	380,000	330,000	330,000	330,000	
Lens Type	Auto-focus x 26 optical zoom lens	Auto-focus x 26 optical zoom lens	Auto-focus x 25 optical zoom lens	Auto-focus x 18 optical zoom lens	Pan focus x3 optical zoom lens	CS-mount x2.7 Vari-focal auto iris lens	CS-mount x2.7 Vari-focal auto iris lens	Auto-focus x 18 optical zoom lens	CS-mount x2.7 Vari-focal auto iris lens	CS-mount x2.7 Vari-focal auto iris lens	Fixed focal lens	CS-mount x2.7 Vari-focal auto iris lens	N/A	
Pan Angle	360° endless	-170 to +170°	-170 to +170°	-170 to +170°	-60 to +60°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Tilt Angle	0 to -90°	-90 to +25°	-90 to +25°	-90 to +30°	-65 to +10°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Day/Night Functions	YES	YES	YES	YES	N/A	N/A	YES	YES	YES	N/A	N/A	N/A	N/A	
Activity Detection	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
Wireless	YES <sup>1</sup>	YES <sup>1</sup>	NO	YES <sup>1</sup>	YES <sup>1</sup>	NO	NO	NO	YES <sup>1</sup>	NO	NO	NO	NO	
Minimum Illumination	1lx (color)/0.15lx (B/W) (F1.6, AGC ON, 50IRE)	2.2lx (color)/0.3lx (B/W) (F1.6, AGC ON, 50IRE)	2.5lx (color)/0.1lx (B/W) (F1.6, AGC ON, 50IRE)	0.7lx (color)/0.06lx (B/W) (F1.4, AGC ON, 50IRE)	3.5lx (F2.8, AGC ON, 30IRE)	0.8lx (F1.0, AGC ON, 50IRE)	0.9lx (color)/0.2lx (B/W) (F1.0, AGC ON, 50IRE)	0.7lx (color)/0.06lx (B/W) (F1.4, AGC ON, 50IRE)	0.4lx (color)/0.035lx (B/W) (F1.0, AGC ON, 50IRE)	0.5lx (F1.0, AGC ON, 50IRE)	1.2lx (F2.0, AGC ON, 30IRE)	1.7lx (F1.0, AGC ON, 50IRE)	1.7lx (F1.0, AGC ON, 50IRE)	
Composite Video Output	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	Mini Jack, 1.0Vp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	Mini Jack, 1.0Vp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	BNC x 1, 1.0 Bp-p, 75_ unbalanced, sync negative	
Horizontal Resolution	470 TVL	450 TVL	480 TVL	470 TVL	400 TVL	480 TVL	480 TVL	480 TVL	540 TVL	480 TVL	400 TVL	400 TVL	400 TVL	
Image Size	640x480, 320x240, 160x120	640x480, 320x240, 160x120	736x480, 640x480, 320x240, 160x120	640x480, 480x360, 384x288, 320x240, 256x192, 160x120	640x480, 480x360, 384x288, 320x240, 256x192, 160x120	640x480, 480x360, 384x288, 320x240, 256x192, 160x120	640x480, 480x360, 384x288, 320x240, 256x192, 160x120	736x480, 640x480, 320x240, 160x120	640x480, 320x240, 160x120	736x480, 640x480, 320x240, 160x120	640x480, 320x240, 160x120	640x480, 480x360, 384x288, 320x240, 256x192, 160x120	640x480, 480x360, 384x288, 320x240, 256x192, 160x120	
Compression	Multi codec capability (JPEG/MPEG4/H.264)	Multi codec capability (JPEG/MPEG4/H.264)	JPEG	MPEG4/JPEG	MPEG4/JPEG	MPEG4/JPEG	MPEG4/JPEG	JPEG	Multi codec capability (JPEG/MPEG4/H.264)	JPEG	MPEG4/JPEG	MPEG4/JPEG	MPEG4/JPEG	
Maximum Frame Rate	30fps JPEG/MPEG4, 10fps H.264 at VGA	30fps JPEG/MPEG4, 10fps H.264 at VGA	30fps VGA	18fps JPEG, 15fps MEG at VGA, 30fps JPEG/MPEG4 at QVGA	18fps JPEG, 15fps MEG at VGA, 30fps JPEG/MPEG4 at QVGA	18fps JPEG, 15fps MEG at VGA, 30fps JPEG/MPEG4 at QVGA	18fps JPEG, 15fps MEG at VGA, 30fps JPEG/MPEG4 at QVGA	30fps VGA	30fps JPEG/MPEG4, 10fps H.264 at VGA	30fps VGA	18fps JPEG, 15fps MEG at VGA, 30fps JPEG/MPEG4 at QVGA	JPEG: 18fps (VGA), 30fps (QVGA) MPEG: 15fps (VGA), 30fps (QVGA)	JPEG: 18fps (VGA), 30fps (QVGA) MPEG: 15fps (VGA), 30fps (QVGA)	
Audio	G.726, G.711	G.726, G.711	N/A	G.726, G.711	G.726, G.711	G.726, G.711	G.726, G.711	N/A	G.726, G.711	N/A	G.726, G.711	G.726, G.711	G.726, G.711	
Ethernet	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)	
Sensor Output	Sensor input x 2	Sensor input x 2	Sensor input x 3	Sensor input x 2	Sensor input x 2	Sensor input x 1	Sensor input x 1	Sensor input x 1	Sensor input x 2	Sensor input x 1	Sensor input x 1	Sensor input x 1	Sensor input x 1	
Alarm Output	Alarm output x 2	Alarm output x 2	Alarm output x 2	Alarm output x 2	Alarm output x 1	Alarm output x 2	Alarm output x 2	Alarm output x 2	Alarm output x 2	Alarm output x 2	Alarm output x 1	Alarm output x 1	Alarm output x 1	
Card Slot	PC Card x 1, Memory Stick* x 1	PC Card x 1, Compact Flash* x 1	PC Card x 2	Compact Flash** x 1	Compact Flash** x 1	N/A	N/A	PC Card x 1	PC Card x 1	N/A	N/A	N/A	N/A	
General														
Weight	4 lb 13 oz	2 lb 10 oz	2 lb 10 oz	2 lb 14 oz	13 oz	1 lb 10 oz	3 lb 5 oz	1 lb 12 oz	1 lb 10 oz	1 lb 7 oz	8 oz	1 lb 1 oz	1 lb 1 oz	
Dimensions (WxHxD)	6 3/8 x 6 3/8 x 9 1/8"	5 5/8 x 6 5/8 x 5 5/8"	5 5/8 x 7 x 5 3/4"	5 5/8 x 8 7/8 x 5 7/8"	5 1/8 x 5 1/8 x 4 3/8"	5 x 5 1/4 x 5"	6 1/2 x 5 3/8 x 6 5/8"	3 1/4 x 3 1/8 x 7"	3 3/8 x 2 3/4 x 7 3/4"	2 7/8 x 2 1/4 x 7 7/8"	4 x 1 7/16 x 5 1/2"	2 3/4 x 2 1/4 x 1/2"	2 3/4 x 2 1/4 x 1/2"	
Power Requirements	AC24V, DC12V (owner supplied)	DC12V (supplied)	DC12V (supplied)	AC24V, DC12V (owner supplied)	DC12V (supplied)	AC24V, DC12V, PoE (owner supplied)	AC24V, DC12V, PoE (owner supplied)	AC24V, DC12V, PoE (owner supplied)	AC24V, DC12V, PoE (owner supplied)	AC24V, DC12V (owner supplied)	DC12V (supplied)	AC24V, DC12V, PoE (owner supplied)	AC24V, DC12V (owner supplied)	
Power Consumption	25W max	20W max	21.6W max	18W max	6.2W max	7.5W max	8W max	9W max	9W max	8W max	3.5W max	5.7W max	5.7W max	
Optional Accessories	SNCA-CFW1: Wireless LAN Card, SNCA-ANI: Wireless LAN Antenna, YT-ICB550/T: In-ceiling Mount Kit (tinted), YT-ICB550/C: In-ceiling Mount Kit (clear)	SNCA-CFW1: Wireless LAN Card, SNCA-ANI: Wireless LAN Antenna, YT-ICB550/T: In-ceiling Mount Kit (tinted), YT-ICB550/C: In-ceiling Mount Kit (clear), YT-MA550: Adaptor for the YT-ICB550		SNCA-CFW1: Wireless LAN Card, SNCA-ANI: Wireless LAN Antenna	SNCA-CFW1: Wireless LAN Card, SNCA-ANI: Wireless LAN Antenna, SNCA-HP5: Housing Kit	YT-ICB40N: Ceiling-mount bracket								

<sup>1</sup> with optional accessory SNCA-CFW1 (requires type II PCMCIA adaptor)

## Sony Network Recorders



NSR-100

NSR-50

NSR-25

Video/Recording		NSR-100	NSR-50	NSR-25
# of IP Cameras Supported		64 Max	32 Max	20 Max
Video Compression		MPEG4/JPEG	MPEG4/JPEG	MPEG4/JPEG
Maximum Recording Rate		480fps	240fps	120fps
Hard Disk Drives	Physical Capacity	1,000GB (250GB x 4)		250GB
	Interface	Serial ATA		Serial ATA
	RAID Level/Recording Capacity (approx.)	Hardware RAID (Hot Swappable when set to RAID 5 or RAID 1)		Software RAID
		RAID 5 (Default) 670GB	RAID 1 450GB	RAID 0 900GB
Network File System (for NAS)		Supports NFS Version 3 protocol		Supports NFS Version 3 protocol
<b>Display Interface</b>				
Display OUT	#1	RGB connector x 2 (Front & Rear Panel, cannot be used simultaneously)	RGB connector x 2 (Front & Rear Panel, cannot be used simultaneously)	RGB connector x 1
	#2	RGB connector x 1	RGB connector x 1	RGB connector x 1
<b>Video Interface</b>				
Video Output		S-Video x 1		S-Video x 1
Analog Composite OUT		RCA-pin x 2 (Front & Rear Panel, cannot be used simultaneously)		N/A
<b>Sensor/Alarm</b>				
Sensor in		8 channel photo-coupler (DC3.3-24V)	8 channel photo-coupler (DC3.3-24V)	8 channel photo-coupler (DC3.3-24V)
Alarm out		8 channel relay (Max. 24V 1A)	8 channel relay (Max. 24V 1A)	8 channel relay (Max. 24V 1A)
<b>Other Interfaces</b>				
Ethernet		1000Base-T/100Base-TX/10Base-T x 3 (automatic switching)	1000Base-T/100Base-TX/10Base-T x 3 (automatic switching)	1000Base-T/100Base-TX/10Base-T x 3 (automatic switching)
<b>General</b>				
Dimensions (WxHxD)		17 x 3 1/2 x 16 1/2"		17 x 3 1/2 x 16 1/2"
Weight		28 lb 11 oz		24 lb 4 oz
<b>Power Requirements</b>				
Power Consumption		2.77A / 1.39A		1.6A / 0.9A
Operating temperature		41 to 104°F		41 to 104°F
Optional Accessories		RM-NS10: Remote Control Unit NSR-RM1: Rack Mount Kit	RM-NS10: Remote Control Unit NSR-RM1: Rack Mount Kit	RM-NS10: Remote Control Unit NSR-RM1: Rack Mount Kit NSBK-250: HDD Expansion Unit

SONY

IPELA

### Power Over Ethernet

Eliminate the need for eternal power supply and its associated AC/DC power cabling, thus providing a highly cost effective, safe and reliable means for powering Sony IP video solution in any installations.

#### Midspan

PD-3001/AC 1 port PoE Injector, 802.3af compliant (for SNC-DF40N, SNC-DF70N, SNC-Z20N and SNC-CS3N cameras)

PD-3006/AC 6 port PoE Injector, 802.3af compliant (for SNC-DF40N, SNC-DF70N, SNC-Z20N and SNC-CS3N cameras)

PD-6012/ACDC 12 port PoE Injector, 802.3af compliant (for SNC-DF40N, SNC-DF70N, SNC-Z20N and SNC-CS3N cameras)

PD-8001/AC High Power Midspan, 1 ports (for SNC-RZ30N and SNC-RZ25N)

PD-8006/AC High Power Midspan, 6 ports (for SNC-RZ30N and SNC-RZ25N)

PD-8012/AC High Power Midspan, 12 ports (for SNC-RZ30N and SNC-RZ25N)

#### Splitter

PD-401/12 12 volt splitter for use with SNC-CS3N camera

PD-801/12 High power splitter for use with SNC-RZ30N camera

### RealShot Manager Software

#### Software

IMZ-RS304/C RSM v3.2 with 4 camera licenses + 10 client

IMZ-RS309/C RSM v3.2 with 9 camera licenses + 10 client

IMZ-RS316/C RSM v3.2 with 16 camera licenses + 10 client

IMZ-RZ332/C RSM v3.2 with 32 camera licenses + 10 client

#### Software License Upgrades

IMZ-RS301 RSM v3.2 one additional camera licenses upgrade

### Network Video Recorder Package

#### VAIO Package

NVRIP4/3C RSM V3.2 4 License + 1 client with VAIO

NVRIP9/3C RSM V3.2 9 License + 1 client with VAIO

NVRIP16/3C RSM V3.2 16 License + 1 client with VAIO

#### System Requirements

OS Microsoft® Windows® 2000/XP/Server 2003 (for all RSM software)  
Red Hat® Linux 8.0 or Debian GNU/Linux 3.1 (for Linux server software)

Processor "Intel® Pentium® 4, 2.4 GHz or higher"

Memory 256 MB RAM minimum

Video Card Supporting 1024 x 768 at 16/24-bit color depth

Network Interface Card Ethernet 100BASE-T Network Interface

Sufficient Video Storage local PC hard disk or Network Attached Storage)

## Sony Network Video Server



SNT-V704

Video Server Specs		SNT-V704
Number of Channel		4 Channel
Compression		MPEG 4 / JPEG selectable
Video Input		1.0Vp-p, 75_Ω, unbalanced, sync negative
Video Output		1.0Vp-p, 75_Ω, unbalanced, sync negative (loop-through)
Sensor Input		(4) 3.3 to 24V DC Device supported
Alarm Output		(4) 24V DC or less, 1 A, Mechanical relay outputs
Ethernet Connector		100Base-TX/10Base-T (RJ45)
Maximum Performance		30 fps 4 (720 x 480)
Image Sizes		704 x 480, 640 x 480, 320 x 240
Compression ratio		10 steps (JPEG)
Protocols		TCIP/IP, ARP, ICMP, HTTP, FTP, SMTP, DHCP, DNS, NTP, SNMP
Number of Client		Max. 50
PC Card Slot		no
USB Port		USB 2.0 for external storage
<b>General</b>		
Weight		2 lb 10 oz
Dimensions (WxHxD)		8 3/8 x 1 11/16 x 8"
Power Requirements		DC12V (supplied)
Power Consumption		18W
Operating temperature		41 to 122°F
Optional Accessories		RMM-V704: Rack Mount Kit

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