



## Specifications

Video	
Sensor Type	1/2.8" image sensor(Sony CMOS)
Active Pixels	1920x1080 (HxV)
Compression	H.264 / MJPEG
Streaming	Dual streaming
Resolution	1080P, 720P, 480P, VGA, QVGA, CIF
Max. Frame Rate	2MP 16:9 (1920x1080) at 30 fps (NTSC/PAL)
Day/Night	Mechanical (ICR) D/N control
Day/Night Mode	Auto, Day, Night
Shutter Time	1/10000s to 1s selectable (60Hz/50Hz)
Minimum Illumination	Color 0.4 Lux, B/W 0.08 Lux @30IRE; Color 1.7 Lux, B/W 0.3 Lux @50IRE (Shutter speed: 1/30 sec)
Bit Rate Control	Primary stream bit rate control: CBR/VBR
Lens	
Type, Focal Length, F-number	Built-in Mechanical IR Cut Filter varifocal lens, f=4.7~94mm, F1.6~3.5 (Mega pixel lens)
View Angle	H:55.4°(wide), 2.9°(tele) Full HD mode
Zoom Limit	Up to 240X (Optical 20X, Digital 12X)
IRIS Control	Auto
P/T Operation	
Pan Range	360° continuous
Tilt Range	92°
Manual Pan Speed	0.1~120°/s, 0.1°/s: max dig.optical zoom
Manual Tilt Speed	0.1~90°/s, 0.1°/s: max dig.optical zoom
Preset Speed	Pan:430°/s, Tilt:200°/s
Proportional P/T	Yes
Programmable Presets	128
Auto Patrol Group	4
Stop Time	3, 5, 7, 15, 30, 60 sec
Scan function	Auto, Random, Frame
Recover time limit	OFF, 1~120 min
Audio	
Audio Communication	One-Way audio
Compression	G711-Alaw, G711-Ulaw, PCM, 8kHz
Audio In/Out	External microphone
Image Enhancement	
Image Settings	Exposure Mode: Auto/shutter priority White Balance: Auto/ATW/Indoor/Outdoor/ One-Push Backlight Compensation: On/Off Sharpness: 15 level sensitivity
WDR	Yes
DNR	Yes
Privacy Zone	Yes; customized threshold privacy zone
Image Orientation	Mirror, Flip
Frequency Control	50Hz, 60Hz
Intelligent Video & Event Management	
Motion Detection	Yes; 3 level sensitivity
Others	Snapshot, Freeze Activity
Events	Motion detection, external alarm
Event Actions	File upload via FTP, SMTP and SD Card, Notification via email
Store Category	Alarm / Event / Schedule recording Stores snapshots
Local Storage*	
Memory Card Slot	Micro SD Card up to 32 GB
Memory Card Overwrite	Yes
Network	
Protocol	IPv4, HTTP, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, UPnP, DDNS, SMTP
Ethernet	1 x 10/100 base-T Ethernet connection for LAN/WAN, RJ45
PoE	PoE+(IEEE 802.3at)

Browser	IE Browser 8.0 , 9.0
Security	Two-level access with password protection
I/O & Controls	
Power	2-pin Terminal Block
Alarm In/Out	Terminal Block 6 in / 1 out
Network	RJ-45 for Ethernet 10BaseT/100BaseTX
Audio In/Out	Terminal Block 1 in / 0 out
Reset	2-pin Terminal Block
Power	
Power Requirement	Heater off: AC24V ± 10% / PoE+(IEEE 802.3at) Heater on: AC24V ± 10%
Power Consumption (Max.)	Heater off: 25W Heater on: 55W
Mechanical	
Dimensions(ΦxH)	216.6mm X 324.0mm (8.53" X 12.8")
Weight	3800g (8.14lb)
Protection	IP67, IK10
Battery Back-up Real-time Clock	Internal RTC
Environmental	
Operating Temperature	-40° to 50°C(AC24V); -10° to 50°C(PoE+)/AC24V
Operating Humidity	20~90%RH
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Regulatory	
Approvals	CE, FCC, RoHS
Order Information	
Model No.	NTSC: NIC990-HN2-US-MES; PAL: NIC990-HP2-EU-MES, NIC990-HP2-UK-MES
Accessories	Pendant Mount: SAD702, SAD714 Wall Mount: SAD703, SAD713 Parapet Wall Mount: SAD706 Corner Mount: SAD707 Pole Mount: SAD708 Pipe Extension Bracket: SAD709 Sun Shield: SAD710

\*Function not available for models sold in Argentina

## Dimensions

