

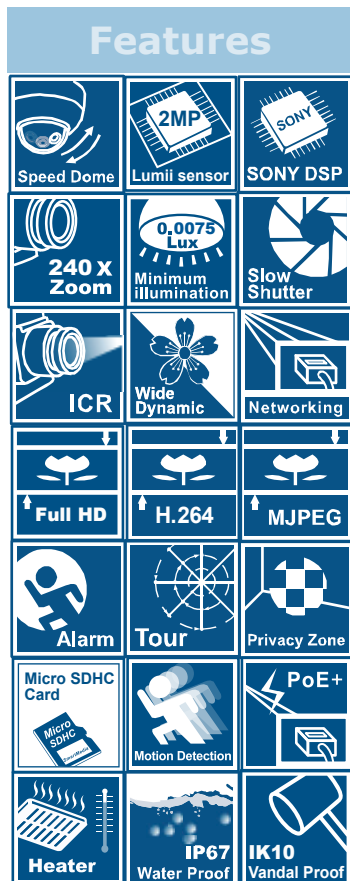
## NIC990

### Full HD 1080p, Speed Dome Network Camera

1/2.8" Lumii sensor, 240X (20X optical), f:4.7~94mm, 1080p, H.264, mechanical (ICR) day/night, WDR, PoE+, PTZ, micro SD/SDHC card slot, motion detection, IK10, IP67



The NIC990 speed dome network camera is designed to provide crystal-clear 16:9 full HD video for diverse outdoor installations. With the support of H.264 compression, the NIC990 offers high quality images yet without requiring a high bandwidth and storage load. It also features superior WDR, white balance and AE controls to handle the variations of luminance to provide exceptional image quality. With a 20X optical zoom lens and powerful pan, tilt and zoom capabilities, it guarantees wide range coverage, which is ideal for applications of monitoring wide area and to track distant objects, such as seaports, railway stations or public safety surveillance. The rugged housing design protects the camera against some extreme vandal and weather conditions.



#### ■ Full HD 1080p Image

Clear and detailed full HD quality images in all conditions. Unlike traditional megapixel cameras, full HD offers higher resolutions and better frame rates at an international industry standard. Blurry images are reduced and individuals and objects of interest come through in perfect clarity.

#### ■ Mechanical (ICR) Day/Night

Featuring IR Cut Filter Removable (ICR) function, the camera uses a mechanical way to detect changes in lighting conditions, and then switches between color and B/W modes. It provides perfect color images at day time and crisp monochrome images at night or very dark environment.

#### ■ Wide Dynamic Range

Wide dynamic range optimizes an image to ensure that dark areas are more visible while retaining detail in bright areas. WDR is ideal for scenes where objects are difficult to recognize due to severe backlight or shadows. Places like bank entrances tend to be under lit or over lit. A typical camera would produce an image where a person in the dark area could hardly be recognized, whereas WDR cameras produce clear details not only of the person in the foreground but also of the background.

#### ■ Cost-saving H.264 Support

The NIC990 supports the H.264 compression standard. H.264 greatly reduces the size of video compared to MJPEG and MPEG4 without compromising image quality. Storage and bandwidth needs are reduced. Plus, H.264 is expected to become the video standard of choice, so your camera is future proofed.

#### ■ PoE+ Facilitates Easy Installation

Built in support for Power Over Ethernet reduces cost and adds flexibility to the camera. A single cable connection is used to view, power, and control the camera. Installation cost are reduced since there is no need for separate cables.

#### ■ Continuous No-Interruption Recording

Record JPEG images or video clips for several days with the built in micro SD/SDHC card slot for up to 32 GB. Keep recording and prevent data loss even when the network goes down. Moreover, the camera's built-in FTP server enables users to view the saved files conveniently from a remote site.

#### ■ Completely Vandal-resistance

The camera is IK10-rated impact-resistant, meaning it withstands the impact of 20 Joules. It protects the camera against extreme vandalism, making it perfect for outdoor surveillance.

#### ■ Climate Protection

A built-in heater and blower maximize protection of surveillance equipment in extremely cold weather.

## 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

