NIC990

Full HD 1080p, High Speed PTZ Dome Network Camera

1/3'' 2MP Lumii sensor, 200X (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 is designed to provide crystal-clear 16:9 full HD video for outdoor applications in both day and night. With the support of H.264 compression, the NIC990 offers you high quality images yet without the need of high bandwidth and storage capabilities. It also features superior WDR, white balance and AE controls to handle the variations of luminance and thus ensures you don't miss a thing. The vandal-resistant, rugged camera is ideal for applications need extreme protection. With a 20X optical zoom lens and powerful pan, tilt and zoom capabilities, it guarantees complete coverage of every angle. It is ideal for applications where operators need to monitor wide area and track moving objects, such as seaports, railway stations or public safety surveillance.

Features

Speed Dome | 2MP Lumii sensor | SONY DSP
200 X Zoom | 0.0075 Lux Minimum illumination | Slow Shutter
ICR | Wide Dynamic | Networking
Full HD | H.264 | MJPEG
Alarm | Tour | Privacy Zone
Micro SDHC Card | Motion Detection | PoE+
Heater | IP67 Water Proof | IK10 Vandal Proof

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-Proof

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	1/3"- type CMOS
Codec	Ambarella A288
Effective Number of Pixels	Approx. 2 Mega pixels
Electric Shutter	1/2 to 1/10,000 s, 21 steps
Gain Control	Auto / Manual
Exposure Control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow AE
White Balance	Auto, ATW, Indoor, Outdoor, Outdoor Auto,Sodium Vapor Lamp Fix/ Auto, One-push/ Manual
Focus	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF
Day/Night	Mechanical (ICR) D/N Control
WDR	Yes
Lens Type	Auto- focus zoom lens
Optical Zoom	20X
Digital Zoom	10X (200x with optical zoom)
Angle of View	H : 54.1°(wide) , 2.9°(tele) Full HD mode
Focal Length	f=4.7mm(wide) to 94.0 mm (tele),
F-Number	F1.6 to 3.5
Minimum Objective Distance	10 mm (wide)~ 1000mm (tele)
Sharpness Control	Yes
Codec Compression	H.264, MJPEG
Codec Modes	VBR, CBR
Frame Rate	30fps @ 1080p
Stop Time	5 to 120 sec
Synchronization System	Internal / Line Lock
Mechanical	
Pan Angle	360° endless rotation
Pan Speed	430°/s (auto) , 120°/s(manual), Maximum speed variation (4 options)
Tilt Angle	-92 to 0 degrees (Indoor model TBD)
Tilt Speed	200°/s (auto) ,90°/s (manual), Maximum speed variation (Combined with pan manual speed)
Proportional Pan/Tilt	On/Off
Zoom Speed Control	Zoom speed: EXT control and 8 speed options can be selected
Auto Flip	On/Off
Programmable Presets	128
Auto Patrol(tour)	16 sets : Auto Patrol Group
Privacy Masking	Yes (8/24)
Scan Speed Control	Yes
Freeze Activity	On/Off
Alarm Inputs	6
Alarm Outputs	1(NO/NC)
Password Protection	Yes
General	
Motion Detection	Yes
Operating Temperature	-40°C~ 60°C(TBD)
Storage Temperature	-20°C to 60°C
Power Requirements	AC24V ± 15 %, POE+
Network	
Ethernet	1 x 10/100 base-T Ethernet connection for LAN/WAN,
Network Protocol	TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, DDNS, FTPc, FTPs, ICMP, Upnp, IGMPv3, RTSP, RTCP, RTP, ARP
Connectors	RJ-45 for Ethernet 10BaseT/100BaseTX Power connector (terminal block type) 2 pin connector for audio out (TBD) (pig tail cable)
Connectors	Terminal blocks for 1 alarm inputs, 1 outputs micro SD card connector default / reset button
Control interface	IE browser 6.0 or above
Mechanism	
Protection	IP67, Vandal-proof, IK10
Dimensions (DxH)	216.6mm X 324.0mm (8.5" x 12.8")
Weight	3.5 KG (TBD)