



Speed Dome IP Camera HDTV 1080p, 18x Optical Zoom Indoor/Outdoor Ready

Model No. NH720/820-18N

Introduction

Dynacolor NH820 Full HD Speed Dome IP Camera is a product perfect for a variety of applications in video surveillance segment which demands for high performance of video quality, reliable and efficient movement capability, clarity in a long distance away, and easy for installation and maintenance.

Superior Video Quality

Dynacolor NH820 Full HD Speed Dome IP Camera is equipped with high quality SONY progressive scan CMOS sensor. With its excellent video quality (1920x1080 and progressive scan at 30 frames per second), Dynacolor NH820 provides an exceptional level of detail in captured images presented at widescreen aspect ratio of 16:9. In addition, Dynacolor NH820 is empowered to perform 60 frames per second in HDTV 720p and delivers perfect and smooth video for fast-moving object. Dynacolor NH820 is very useful for identifying vehicle license plate numbers or human faces. Moreover, Dynacolor NH820 can deliver real-time H.264 dual streams of 1080p and D1 at 30 frames per second, where H.264 of high profile compression technology greatly minimizes bandwidth and storage usage without compromising the image quality at all.

Fast Movement and Zooming

Dynacolor NH820 Full HD Speed Dome IP Camera provides pan/tilt travel speed at up to 400° per second, 18 times of optical zoom and 12 times of digital zoom, auto-focus and auto-iris. Hence, Dynacolor NH820 enables the users to efficiently capture the detailed image in a distance away. Dynacolor NH820 is robustly

built for constant pan/tilt movements with 360° endless pan and -10° ~ 190° tilt.

Working with preset positions, it is easy with Dynacolor NH820 to perform automatic guard tour operation.

Overcoming Versatile Challenging Environment

Dynacolor NH820 Full HD Speed Dome IP Camera supports High Power over Ethernet (PoE, IEEE 802.3at) which simplifies installation. On the other hand, Dynacolor NH820 assures video quality at night time by its true day-and-night function (with built-in ICR) and digital noise reduction technology. Also, Dynacolor NH820 provides WDR (Wide Dynamic Range) function to guarantee visibility in the scene that the dark areas co-exist with bright ones. In addition, due to it is weather-proof (IP66-related) design and built-in heater and fans, Dynacolor NH820 is able to operate normally in harsh environments at -40°~50°C. Moreover, Dynacolor NH820 supports two-way audio and local recording. With digital (alarm) input/output and being Onvif-conformance, Dynacolor NH820 indeed provides flexibility for integration with external devices and/or systems such as, siren, alarm, access control system, and etc.

Key Features

- 1/2.8" SONY Progressive Scan CMOS Sensor
- Real Time Dual Streams, HDTV1080p + D1 at 30 fps
- Wide Dynamic Range (WDR)
- Day & Night (ICR)
- 18x Optical Zoom, 12x Digital Zoom
- Auto Iris, Auto Focus
- High PoE (802.3at)
- Pan/Tilt Travel at 400° per second

- 360° Endless Pan, -10°~190° Tilt
- H.264 and MJPEG Compression
- Digital Noise Reduction
- Two Way Audio
- 4 Digital Alarm Inputs, 2 Alarm Outputs
- Weather-proof (IP-66 related), Outdoor Ready
- ONVIF Conformance
- Built-in MicroSD Slot*

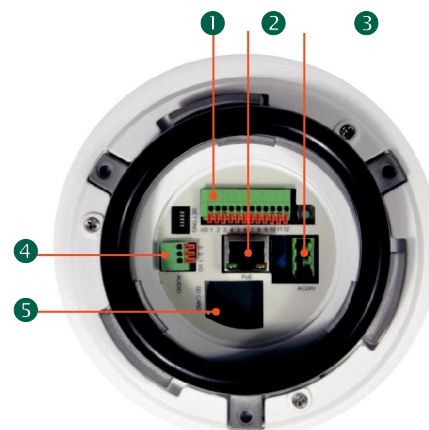
*Not available in Argentina

SPECIFICATION AND PRODUCT FEATURES

Camera	
Sensor	1/2.8" Progressive Scan CMOS
Lens	f=4.7-84.6mm, F1.4, varifocal
Minimum Illumination	Color: 0.3 lux / B/W: 0.04 lux
IR Cut Removable	Auto / Manual
IR/White Light LED	—
Wide Dynamic Range	Yes
Digital PTZ	Yes
Video	
Video Compression	H.264 (Main Profile) / MJPEG
Video Resolutions	1920X1080 / 1280x720 / D1 / VGA / CIF
FPS	1920x1080 @ 30/25 fps (H.264), 1280x720 @ 60/50 fps (H.264)
Video Streaming	Multiple streams
Privacy Mask	Yes
Audio	
Two-way Streaming	Yes
Audio Compression	G.711/G.726 ADPCM/AAC
Audio In/Out	Yes
Operation	
Pan Travel	360° endless
Tilt Travel	-10° ~ 190°
Manual Speed	0.5° ~ 90°/s
Presets	256
Preset Resolution	0.225°
Pan/Tilt Speed	5° ~ 400°/s
Sequence	8
Auto-Pan	4
Cruise	8
Pan & Tilt	On / Off (pan and tilt speed is proportional to zoom ratio)
System Recovery	Resume after power loss
Zone Title	16
Home Function	Preset, Sequence, Auto-Pan, Cruise
Auto-Flip	Mechanical / Off
Digital Slow Shutter	Yes
Image Rotation	Flip / Mirror / Inverse / Portrait
Digital Noise Reduction	On / Off
General	
Network Interface	10/100Mbps Ethernet (RJ45)
Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, IEEE 802.1X, ONVIF
Digital In/Out	D/I: 4; D/O: 2
MicroSD Slot*	Yes
User Accounts	20
Intelligent Video	Motion detection
Weather-proof	IP66-related
Operating Temperature	-40~50°C (-40 ~122 °F)
Power Source	PoE (802.3af) / 24V AC
Power Consumption	20W; 65W (with heater)
Dimensions	Ø191.97mm x 282.11 mm
Weight	2.32kg
Certifications	CE, FCC, UL, RoHS
Bundle Software	MicroView Professional (64CH VMS)

The product specifications are subject to change without prior notice

*Not available in Argentina



Full HD, 18x, Speed Dome IP Camera

Model No. NH720/820

- ① Alarm I/O
- ② RJ45 Connector
- ③ Power
- ④ Audio I/O
- ⑤ Micro SD Card Slot*

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COMPANION PRODUCTS

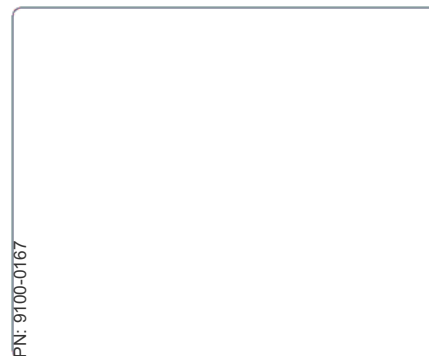
Consider the following Dynacolor products as a factor in your network planning.

Ethernet Switch
Industrial Ethernet
IP Surveillance
Wireless LAN
VDSL• ADSL and Broadband
IP Telephony
KVM Switch
Network Appliance
Structured Cabling System

ORDERING INFORMATION

NH720/820	Speed Dome IP Cam, Full HD 1080p@30fps, 18x Optical (powered by PoE (802.3af/at) by default; w/o Power Adapter & Mount Kit)
Accessory	
M5503	Power Adapter, AC 220V to 24V AC, 3A (optional for SP5923)
M5504	Power Adapter, AC 110V to 24V AC, 3A (optional for SP5923)
C5230	Pendant, 348x104x138.6 mm (13.7x4.1x5.5 inches), 1.5 kg(3.3 lbs) (optional for SP5923)
C5231	Mini Pendant, 184x104x115.2 mm (7.24x4.1x4.54 inches), 0.6 kg (1.2 lbs) (optional for SP5923)

Distributed By:



PN: 9100-0167

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