



## *NCR870S(H)*

Full HD 1080p

IR Bullet Network Camera

1/2.7" 2MP Lumii sensor, H.264, 25M (82ft) IR, triple streaming, mechanical ICR day/night, intelligent detections, IP67

The NCR870S(H) is a ready to go infrared (IR) camera that is able to see even in total darkness. 24 high quality IR illuminators built around the lens bring about crystal clear pictures even in the darkest night as far as 25 meters (82 ft). Plus, with IP67-rated all-weather waterproof, aluminum casing, the NCR870S(H) ensures reliable operation in any environment. This camera is ideal for outdoor applications such as convenience stores, streets and parking lots. To cope with extreme weather, the heater model is also available.



**ONVIF**



### Full HD 1080p Images

See clear and detailed, full HD, quality images in all conditions with the NCR870S(H). 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.



### Intelligent Video Management

The NCR870S(H) features motion detection function. MegaSmart™ event/region-specific monitoring enables users to receive alerts upon event and saves storage cost by only recording when a specific event takes place.



### Mechanical IR Cut Filter

Featuring IR Cut Filter Removable (ICR) function, the NCR870S(H) is ideal for capturing images under highly variable lighting conditions, providing perfect color images at day time and noise-free monochrome images at low light to nearly no light environment.



### Infrared Illumination

The built-in 25M (82ft) IR LED lights objects evenly, reducing image noises and storage requirements. The IR illuminator activates automatically when the lighting dims to under 10 lux. In night mode, the illuminator enables the camera to capture images at 0 lux. The high-power LEDs also help minimize energy consumption.

## Specifications

Video		I/O & Controls	
Sensor Type	1/2.7" image sensor optimized for low-light performance	Power	2-pin Terminal Block
Active Pixels	1920x1080 (HxV)	Network	RJ-45
Compression	H.264 / MPEG4 / Motion JPEG	Analog Video	BNC X1, 1.0Vp-p, 75Ω
Streaming	Triple simultaneous streams	Reset	Within 5 sec for rebooting system; more than 5 sec for loading default
Resolution	1080p, SXVGA, 720P, XGA, SVGA, D1, VGA, 2CIF, CIF	Power	
Max. Frame Rate	2MP 16:9 (1920x1080) at 15 fps (NTSC) and 12.5 fps (PAL) 1MP 16:9 (1280x720) at 30 fps (NTSC) and 25 fps (PAL)	Power Requirement	W/O Heater: DC 12V & AC 24V ± 10% / PoE (IEEE 802.3af) W/ Heater: DC 24V & AC 24V ± 10%
Day/Night	Mechanical (ICR) D/N control	Power Consumption (Max.)	W/O Heater: 8W W/ Heater: 20W (Heater on), 8W (Heater off)
Day/Night Mode	Auto	Mechanical	
Shutter Time	Range from 1/10000s to 1/3.75s selectable (60Hz); Range from 1/10000s to 1/3.125s selectable (50Hz)	Dimensions(WxDxH)	91mm (3.58") x 244mm (9.61") x 83mm (3.27")
Minimum Illumination	IR LED OFF: 1.5 Lux @50IRE (Shutter speed: 1/15 sec) IR LED ON: 0 Lux	Weight	1000g
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps	Protection	IP67
Bit Rate Control	Primary stream bit rate control: CBR/VBR	Battery Backed-up Real-time Clock	Yes; Internal RTC
Lens		Environmental	
Type, Focal Length, F-number	Built-in Fixed lens, f=3.1 mm, F2.0(Mega pixel lens)	Operating Temperature	W/O Heater: -10°C ~ 50°C ( 14°F ~ 122°F ) W/ Heater: -40°C ~ 50°C (-40°F ~ 122°F)
View Angle	H: 77° ±5%/V: 57° ±5%	Operating Humidity	10~ 90% RH
IR LEDs		Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
LED Quantity	24 pcs (850nm)	Regulatory	
IR Distance	25 meters (82 ft.)	Approvals	CE, FCC, RoHS
IR turn on status	Under 10 Lux by auto control	Ordering Information	
LED Life	More than 10,000 hours (50°C)	Model No.	NTSC: NCR870S-HN5-MES (w/o heater); NCR870SH-HN5-MES (w/ heater) PAL: NCR870S-HP5-MES (w/o heater); NCR870SH-HP5-MES (w/ heater)
Image Enhancement		Accessories	Easily adjustable 3-axis and cable-concealed bracket with standard package
Image Settings	AWB, AES, AGC Exposure Mode: Auto/Manual; White Balance: Auto/Manual; Backlight Compensation: 5x5 zones selectable; Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity		
Image Orientation	Mirror, Flip		
Frequency Control	50Hz, 60Hz		
Date & Time Stamp	Yes		
Intelligent Video & Event Management			
Motion Detection	5 x 5 zones, 5 level sensitivity or customized threshold		
Others	Snapshot		
Events	Motion Detection		
Event Actions	File upload via FTP and SMTP. Notification via email, HTTP and TCP		
Store Category	Snapshot		
Network			
Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, RTCP, ICMP, UPnP		
Ethernet	10Base-T/100Base-TX Ethernet for LAN / WAN, RJ-45		
PoE	IEEE 802.3af, Class 3		
ONVIF	Yes		
Browser	IE Browser 6.0 or Above		
Security	Two-level access with password protection		

## Dimensions

