



Lens sold separately

## NCB855PRO

Full HD 1080p  
Fixed Network Camera

1/2.7" 2MP Lumii sensor, H.264, triple streaming, mechanical ICR day/night, WDR, intelligent detection

With Full HD video quality at full frame rates, the NCB855PRO Full HD 1080p network camera suits any indoor applications where maximum image quality and smooth video display is vital. Powered by Lumii™ Technology, the high-sensitivity sensor offers superior low lux performance to ensure razor-sharp, noise-free images at all times. The advanced H.264 compression significantly reduces the bandwidth and storage consumption while maintaining high-definition video quality. Other supported features include intelligent detections, memory card slot, and two-way audio.



ONVIF



### Full HD at Full Frame Rates

See clear and detailed, full HD 1080p, quality images in all conditions. Unlike other 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 NCB855PRO features a variety of intelligent detection functions, including motion, audio, blur, face, network loss detections. Event/region-specific monitoring enables users to receive alerts upon events and saves storage cost by only recording when a specific event happens.



### Mechanical IR Cut Filter

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.



### Cost-saving H.264 Support

The camera supports the H.264 compression standard in multiple streaming. The H.264 greatly reduces the network bandwidth and storage requirement compared to M-JPEG and MPEG4 without compromising the megapixel image quality, while saving significant back-end costs.

## Specifications

Video	
Sensor Type	1/2.7" Image Sensor Optimized For Low-Light Performance
Active Pixels	1920x1080 (HxV)
Compression	H.264 / MPEG4 / Motion JPEG
Streaming	Triple simultaneous streams
Resolution	1080p, SXVGA, 720P, XGA, SVGA, D1, VGA, 2CIF, CIF
Max. Frame Rate	30/25 fps at 1920x1080 (NTSC/PAL)
Day/Night	Mechanical (ICR) D/N Control
Day/Night Mode	Auto/ Forced BW/ Forced Color/ External
Shutter Time	1/10000s to 1/3.75s Selectable (60Hz); 1/10000s to 1/3.125s Selectable (50Hz)
Minimum Illumination	0.08 lux @30IRE; 0.20 lux @50IRE (F1.2, Shutter Speed: 1/15sec)
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps
Bit Rate Control	Primary stream bit rate control: CBR/VBR
Lens	
IRIS Control	DC IRIS
Lens Mount	CS Mount; Adjustable lens back focus
Audio	
Audio Communication	Two-Way Mono Audio, Full-Duplex
Compression	G.711, PCM, 8kHz
Audio In/Out	External microphone and speaker
Image Enhancement	
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
Digital WDR	Yes; 5 level sensitivity
Privacy Zone	Yes; customized threshold privacy zone
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
Face Detection	3 level sensitivity
Audio Detection	5 level sensitivity or customized threshold
Blur Detection	Customized sensitivity in seconds
Ethernet Detection	Network loss detection
Smart Encoding	Configurable ROI for better picture quality
Others	Snapshot, Smart Focus, e-PTZ, Optimized i-frame setting
Events	Motion detection, face detection, audio detection, blur detection, Ethernet detection, external alarm
Event Actions	File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card
Store Category	Alarm / Motion / Schedule/ Un-interrupt recording Stores video clips and snapshots

Local Storage*	
Memory Card Slot	Micro SD / Micro SDHC Card up to 32 GB
Memory Card Overwrite	Yes
Network	
Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, RTCP, ICMP, UPnP
Ethernet	10Base-T/100Base-TX Ethernet connection 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
I/O & Controls	
Power	Screwless Terminal block
Power LED Indicator	Yes
Alarm In/Out	Terminal Block 2 in / 1 out
Network	RJ-45 with LEDs
Audio In/Out	3.5mm Phone Jack 1 in / 1 out
RS-485	Reserved
Analog Video	BNC X1, 1.0Vp-p, 75Ω
Reset	Within 5 secs to reboot; More than 5 secs to load default
Power	
Power Requirement	DC 12V & AC 24V ± 10% / PoE(IEEE 802.3af)
Power Consumption (Max.)	6W
Mechanism	
Dimensions (WxDxH)	114 x 66 x 65mm (4.5" x 2.6" x 2.6")
Weight	320g (0.70 lb) w/o lens
Battery Backed-up Real-time Clock	Yes; External RTC
Environment	
Operating Temperature	-10°C ~ 50°C (-14°F ~ 122°F)
Operating Humidity	10~ 90% RH
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Regulatory	
Approvals	CE, FCC, RoHS
Order Information	
Model No.	NTSC: NCB855PRO-HN5-MES; PAL: NCB855PRO-HP5-MES
Accessories	Wall mount bracket: SAB748-02; Outdoor housing: SAH722/ SAH725; IR illuminator housing: SLI070HB

\*Function not available for models sold in Argentina

## Dimensions

