



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 significant 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.







#### **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**

Sensor Type Perfomance 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 1/10000s to 1/3.75s Selectable (60Hz); 1/10000s to 1/3.75s Selectable (60Hz); 1/10000s to 1/3.125s Selectable (50Hz) Minimum 0.08 lux @30IRE; 0.20 lux @50IRE (F1.2, Shutter Illumination 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 Communication Two-Way Mono Audio, Full-Duplex Compression G.711, PCM, 8kHz Audio In/Out External microphone and speaker Image Enhancement  AWB, AES, AGC Exposure Mode: Auto/Manual; White Balance: Auto/Manual; White Balance: Auto/Manual; White Balance: 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 Ontrol 5x5 zones, 5 level sensitivity or customized threshold Face Detection 3 level sensitivity or customized threshold Face Detection Customized sensitivity in seconds Ethernet Network loss detection Smart Encoding Configurable ROI for better picture quality Others Snapshot, Smart Focus, e-PTZ, Optimized i-frame settin, Event Actions email, HTTP and TCP External output activation; Video and audio recording to SD Card Store Category Store Video Category Score Sideo clips and snapshots	Video	
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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  File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card  Alarm / Motion / Schedule/ Un-interrupt recording		50Hz, 60Hz
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 File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card  Alarm / Motion / Schedule/ Un-interrupt recording		Yes
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  Wotion detection, face detection, audio detection, blur detection, Ethernet detection, external alarm  File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card  Alarm / Motion / Schedule/ Un-interrupt recording	Intelligent Video	o & Event Management
Audio Detection  S level sensitivity or customized threshold  Blur Detection  Customized sensitivity in seconds  Ethernet Detection  Smart Encoding  Others  Configurable ROI for better picture quality  Others  Snapshot, Smart Focus, e-PTZ, Optimized i-frame setting  Motion detection, face detection, audio detection, blur detection, Ethernet detection, external alarm  File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card  Alarm / Motion / Schedule/ Un-interrupt recording	Motion Detection	5 x 5 zones, 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  File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card  Alarm / Motion / Schedule/ Un-interrupt recording	Face Detection	3 level sensitivity
Ethernet Detection  Smart Encoding Others  Snapshot, Smart Focus, e-PTZ, Optimized i-frame setting Events  Motion detection, face detection, audio detection, blur detection, Ethernet detection, external alarm  File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card  Alarm / Motion / Schedule/ Un-interrupt recording	Audio Detection	5 level sensitivity or customized threshold
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  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		Customized sensitivity in seconds
Others  Snapshot, Smart Focus, e-PTZ, Optimized i-frame setting  Wotion detection, face detection, audio detection, blur detection, Ethernet detection, external alarm  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	Detection	
Events Motion detection, face detection, audio detection, blur detection, Ethernet detection, external alarm  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		
Events detection, Ethernet detection, external alarm  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	Others	·
Event Actions email, HTTP and TCP External output activation; Video and audio recording to SD Card  Store Category Alarm / Motion / Schedule/ Un-interrupt recording	Events	detection, Ethernet detection, external alarm
	Event Actions	email, HTTP and TCP External output activation; Video
	Store Category	

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 $\prime$ 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 defau
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	on
Model No.	NTSC: NCB855PRO-HN5-MES; PAL: NCB855PRO-HP5-MES
Accessories	Wall mount bracket: SAB748-02; Outdoor housing: SAH722/ SAH725; IR illuminator housing: SLI070HB

<sup>\*</sup>Function not available for models sold in Argentina

### **Dimensions**



