

NCB855PRO

Full HD 1080p, Fixed Indoor Box Network Camera

1/2.7" 2MP Lumii sensor, 1080p, H.264, triple streaming, Mechanical day/night, WDR, smart focus, ePTZ, intelligent detection, micro SD/SDHC card slot, 2-way audio



The NCB855PRO 1080p network camera is equipped with a mechanical (ICR) day/night switch, making it ideal for 24/7 surveillance over the network. It suits any indoor applications where maximum image quality and efficient bandwidth usage is vital. At night and in low lighting conditions, its high sensitivity sensor ensures clear and noise free images. Meanwhile, crisp images also consume less bandwidth and storage. It also comes with various detection functions to keep you informed upon events. Other supported features include micro SD/SDHC card slot, video out and two-way audio.

Features		
2MP Lumii sensor	TI DSP	Megapixel
H.264 MPEG4 MJPEG	Full HD	Smart Focus
Ethernet Detection	Audio Detection	Blur Detection
Motion Detection	Networking	e-PTZ
0.08 Lux Minimum illumination	ICR	Alarm
PoE	Video Out	2-Way audio
Micro SDHC Card		

■ Lumii™ III Technology

Our Lumii™ technology delivers high sensitivity images without blur. Lumii™ helps increase the sensitivity and reduces video noise in low light conditions. Night images become bright and clear.

■ Full HD 1080p Images

See 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 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.

■ Versatility with PoE

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 and space are reduced since there is no need for separate cables. Ensure 24 hour a day surveillance even during a power failure when connected to an Uninterruptible Power Supply.

■ ONVIF Compliant

ONVIF is an open industry forum for the development of a global standard for the interface of network video products. The NCB855PRO supports ONVIF thus allowing interoperability between network video products regardless of brand.

■ Intelligent Video Management

The NCB855PRO has a variety of intelligent detection functions, including motion, audio, blur and network disconnection detection. Event-specific or region-specific monitoring enables you to receive alerts upon event and saves storage cost by only recording when a specific event happens.

■ Micro SD/SDHC Card Support

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.

■ Cost-saving H.264 Support

The NCB855PRO 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.

Specifications

Video	
Sensor Type	1/2.7" 2MP sensor optimized for low-light performance
Active Pixels	1920x1080 (HxV)
Compression	H.264, MPEG-4, MJPEG
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; PAL: 720 X 576
Bit Rate Control	CBR/VBR (Primary Stream)
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, white balance, backlight compensation, brightness, contrast, sharpness, saturation, digital WDR, privacy zone
Image Orientation	Mirror, Flip
Frequency Control	50Hz, 60Hz
Date & Time Stamp	Yes
Intelligent Video	
Motion Detection	5x5 zones, 5 level sensitivity or customized threshold
Audio Detection	5 level sensitivity or customized threshold
Blur Detection	Customized sensitivity in seconds
Ethernet Detection	Network loss detection
Smart Encoding	Configurable ROI
Others	Smart Focus, e-PTZ
Event	
Event Trigger	Motion detection, audio detection, blur detection, Ethernet detection, external alarm
Event Management	File upload via FTP, SMTP and SD Card Notification via email, HTTP over TCP and external alarm
Local Storage	
Memory Card Slot	MicroSD/SDHC Card up to 32 GB
Memory Card Overwrite	Yes
Recording Trigger	Alarm, Event, Schedule
Network	
Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, ICMP, UPnP
Ethernet	10Base-T/100Base-TX Ethernet, RJ-45, auto-sensing
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	2-pin Terminal Block
Alarm In/Out	2/1, Terminal Block
Network	RJ-45 with LEDs
Audio In/Out	1/1, 3.5mm phone jack
RS-485	Terminal Block (Reserved)
Analog Video	BNC x 1, 1.0Vp-p, 75 ohm
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(DxH)	114 x 66 x 65 mm (4.5" x 2.6" x 2.6")
Weight	320g (0.70 lb) w/o lens
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

Dimension

Unit: mm (inch)

