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NCR875PRO

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

The NCR875PRO network camera is capable of delivering superior quality image in 1080p resolution at a full frame rate. The high-performance mechanical (ICR) day/night camera is ideal for 24/7 surveillance. It suits any outdoor applications where maximum image quality and smooth video display is vital. In any low light environment, its high sensitivity sensor ensures razor-sharp, noise-free images. It also comes with various intelligent detection functions to keep users informed upon events. Other features include memory card slot, video out and two-way audio.

Full HD 1080p Images

See clear and detailed, full HD, quality images in all conditions with the NCR875PRO. 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 NCR875PRO 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.

Intelligent Video Managment

The NCR875PRO features a variety of intelligent detection functions, including motion, audio, blur and network disconnection detection. 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.

Infared 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-ower LEDs also help minimize energy consumption.

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Specifications

Image System

Image Sensor	1/2.7" image sensor optimized for low-light performance
Compression	Triple Streaming: H.264 / MPEG4 / Motion JPEG
Resolution	1080p, SXVGA, 720p, XGA, SVGA, D1, VGA, 2CIF, CIF
Maximum Frame Rates	2MP Full HD (1920x1080p) @ 30 fps (NTSC) and 25 fps (PAL)
Day/Night	Mechanical IR Cut Filter (auto.)
Shutter Time	1/10000s to 1/3.75s (60Hz); 1/10000s to 1/3.125s (50Hz)
Minimum Illumination	IR LED OFF: 0.08 Lux @30IRE; 0.20 Lux @50IRE (Shutter speed: 1/15sec) IR LED ON: 0 lux
Effective Pixels	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps
Bit Rate Control	CBR/VBR

Lens

Focal Length, F-number	varifocal lens, f=3~9mm, F=1.2 (Megapixel lens)
View Angle	H: 93°(Wide)~31.7°(Tele)/V:68.4°(Wide)~23.8°(Tele)
IRIS Control	DC IRIS

IR LED

LED Quantity	24 pcs (850nm)
IR Distance	25 meters (82ft)
IR Turn On Status	Under 10 lux by auto control
LED Life	More than 10,000 hours (50ºC)

Audio

Communication	Two-way Mono Audio, Full-duplex
Compression	G.711 PCM 8kHz
Audio In/Out	External microphone/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	50/60 Hz
Date/Time Stamp	Yes

Intelligent Video

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

Event

Event Trigger	motion detection, face detection, audio detection, blur detection, Ethernet detection, external alarm
Event Management	File upload via FTP, SMTP and SD Card Notification via email, HTTP and TCP External output activation

Local Storage*

Memory Card	Micro SD/ Micro SDHC Card up to 32 GB
SD Card Overwrite	Yes
SD Card Store Category	Alarm / Motion / Schedule/ Un-interrupt recording

Network

Ethernet	10Base-T/100Base-TX
Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP,RTSP, ICMP, UPnP
PoE	IEEE 802.3af, Class 3
Browser	IE browser 6.0 or above
ONVIF	Yes
Security	Two-level access with password protection

I/O connector

Power	2-pin terminal block
Alarm In/Out	terminal block 2 in/1 out
Network	RJ-45
Reset	Within 5 secs. for rebooting system; more than 5 secs. for loading default
Audio In / Out	3.5mm phone jack 1 in / 1 out
Video Output	BNC x 1, 1.0Vp-p, 75Ω

Power Supply

Power Requirement	no heater	DC 12V & AC 24V ± 10%/PoE (IEEE 802.3af)
	with heater	DC 24V & AC 24V ± 10%
Power Consumption (Max.)	no heater	8W
	with heater	20W (heater ON) / 8W (heater OFF)

Mechanical

Dimensions (H x Φ)	300mm x 88mm x 86 mm (11.79inch x 3.47inch x 3.39inch)
Weight	995g (2.2 lb.)
Protection Class	IP67
Regulations	CE, FCC, RoHS

Environmental

Operating Temperature	no heater	-10ºC ~ 50ºC (-14ºF ~ 122 ºF)
	with heater	-40ºC ~ 50ºC (-40ºF ~ 122 ºF)
Operating Humidity		10~ 90% RH
Storage Temperature		-20ºC ~ 60ºC (-4ºF ~ 140 ºF)

Order Information

Model No.	NTSC: NCR875PRO-HN5-MES(W/O Heater), NCR875PROH-HN5-MES(W/ Heater); PAL: NCR875PRO-HP5-MES(W/O Heater), NCR875PROH-HP5-MES(W/ Heater)
Accessories	Easily adjustable 3-axis and cable-concealed bracket with standard package;

Dimensions

*Function not available for models sold in Argentina

300mm (11.79")
177mm (6.98")
287mm (11.29")

88mm (3.47")
86mm (3.39")
Φ74mm (Φ2.91")

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MESSOA reserves the right to update this datasheet at any time without notice.
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