MESSOA®

NCR878
5-Megapixel IR Bullet Network Camera

1/3.2" Lumii Sensor, 5MP, H.264, 20M (65ft) IR, triple streaming, WDR, Mechnical ICR day/night, face detection

The NCR878 IR Bullet Network Camera features superior 5-megapixel image sensor optimized for low light performance, delivering the ultimate image sharpness and view coverage like no others. With the built-in IR LED illuminator, the camera is ideal for any outdoor applications where the requirement for image quality and details is indispensable. The proprietary Lumii™ Technology further enhances the camera sensitivity to ensure clear and noise-free images in tough lighting conditions. The NCR878 also features the advanced face detection to keep users informed of any unwanted intruder.

3 year warranty

ONVIF

Superior Video Quality

See wider view coverage and extreme details in HDTV quality under all lighting conditions day and night. The 5-megapixel network camera is backed by proprietary Lumii™ Technology to optimize its low light performance as every detail comes through in unprecedented clarity.

Intelligent Video Management

The NCR878 features a variety of intelligent detection functions, including motion, face, 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.

Mechanical IR Cut Filter

Featuring IR Cut Filter Removable (ICR) function, the NCR878 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.

Cost-saving H.264 Technology

The NCR878 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.

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Specifications

Video

Sensor Type	1/3.2" Image Sensor Optimized For Low-Light Performance
Active Pixels	2592x1944 (HxV)
Compression	H.264 / MPEG4 / Motion JPEG
Streaming	Triple simultaneous streams
Resolution	2592x1944 (5MP), 2048x1536 (3MP), 1080p, SXVGA, 720P, XGA, SVGA, D1, VGA, 2CIF, CIF
Max. Frame Rates	5MP 4:3 (2592x1944) at 10 fps (NTSC) and 10 fps (PAL); 3MP 4:3 (2048x1536) at 20 fps (NTSC) and 20 fps (PAL); 2MP 16:9 (1920x1080) at 30 fps (NTSC) and 25 fps (PAL)
Day/Night	Mechanical (ICR) D/N control
Day/Night Mode	Auto
Shutter Time	1/10000s to 1/3.75s selectable (60Hz); 1/10000s to 1/3.125s selectable (50Hz)
Minimum Illumination	IR LED OFF: 0.30 Lux @10IRE; 0.60Lux @50IRE (F1.2, Shutter Speed: 1/15sec) IR LED ON: 0 lux
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps
Bit Rate Control	Primary stream bit rate control: CBR/VBR

Lens

Type, Focal Length, F-number	Built-in Mechanical IR Cut Filter varifocal lens, f=3~9mm, F1.2 (Mega pixel lens)
View Angle	H: 83°(Wide)~29°(Tele)/ V:62°(Wide)~22°(Tele)
IRIS Control	DC IRIS

IR LEDs

LED Quantity	24 pcs (850nm)
IR Distance	20 meters (65 ft.)
IR turn on status	Under 10 Lux by auto control
LED Life	More than 10,000 hours (50°C)

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
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	2-pin Terminal Block
Alarm In/Out	Terminal Block 2 in / 1 out
Network	RJ-45
Audio In/Out	3.5mm Phone Jack 1 in / 1 out
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)
Max. Power Consumption	9W

Mechanical

Dimensions(WxDxH)	300 x 88 x 86 mm (11.79" x 3.47" x 3.39")
Weight	995g (2.2 lb)
Protection	IP67
Battery Backed-up Real-time Clock	Yes; External RTC

Environmental

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: NCR878-HN5-MES PAL: NCR878-HP5-MES
Accessories	Easily adjustable 3-axis and cable-concealed bracket with standard package Corner mount: SAD707(Adapter required) Pole mount: SAD708(Adapter required)

*Function not available for models sold in Argentina

Dimensions

300mm (11.79")
88mm (3.47")
86mm (3.39")
177mm (6.98")
287mm (11.29")
⌀74mm (⌀2.91")

Power In (Red+ / Black-)
RJ-45
BNC
Audio Out (Green)
Audio In (Red)
Alarm Out (Orange)
RS485+ (Green)
RS485- (Yellow)
GND (Gray)
Alarm_In1 (Red)
Alarm_In2 (Brown)