MESSOA

NCR368
5-Megapixel Outdoor IR Bullet Camera

1/3.2" Lumii sensor, H.264, triple streaming, remote zoom and auto focus, ICR day/night, 30m (98ft) IR, WDR, 3DNR, microSDXC/SDHC card slot, IP67, IK10

The NCR368 is a professional 5-megapixel bullet camera designed for detail-demanding outdoor surveillance, delivering the ultimate image sharpness and view coverage like no others. A true day/night camera, the NCR368 features enhanced sensitivity backed by proprietary Lumii™ Low Light Technology, IR night vision and 3DNR to provide superior image clarity in low light conditions. The built-in heater and the weatherproof enclosure ensure the camera is suited for harsh environments. The featured motorized zoom with auto focus, as well as the 3-axis cable management bracket and the external lens adjustment, significantly facilitate installation of this versatile camera.

3 year warranty

ONVIF

Motorized Lens for Remote Zoom and Auto Focus

The motor-driven zoom functionality enables configuration over the network to achieve the optimized viewing angle of the monitored area. Auto Focus can be also done with just one simple mouse click, simplifying the installation significantly for faster and easier setup.

Easy Installation with 3-axis Cable Management Bracket

The 3-axis cable management bracket provides a robust mounting platform for tidy installation and camera angle adjustments on a 3-axis plane. It also offers a well-rounded protection of the cable from any water, dust or shock damages.

3D Noise Reduction

The 3DNR technology takes traditional DNR a step further, removing digital artifacts and grainy appearance from frame to frame, while maintaining image sharpness at low light settings, which results in more efficient bandwidth utilization and less storage space consumption.

Triple Streaming with Multiple Video Profiles

The camera supports H.264 and MJPEG streams and allows triple streaming simultaneously. Video streams can be further managed in profiles, enabling flexibility for users to designate bandwidth storage, and other video properties as appropriate.

Ultra Wide Dynamic Range

Compared with standard WDR, the new-generation WDR features sophisticated algorithm to further expand its dynamic range of the lighting conditions. It allows the camera capturing greater scene details in high contrast settings or in scenes with extremely bright and dark areas.

Specifications

Video

Sensor Type	1/3.2" progressive scan CMOS sensor
Active Pixels	2592x1944 (HxV)
Compression	H.264 / MJPEG
Streaming	Triple simultaneous streams with multiple video profile
Resolution	2592x1944, QXGA(2048x1536), 1080P, 1280x960, 720P, SVGA(800x 600), VGA(640x480), 640x360, QVGA(320x240), 320x180
Max. Frame Rate	5MP 4:3 (2592x1944) at 12 fps 3MP 4:3 (2048x1536) at 15 fps 2MP Full HD 16:9 (1920x1080) at 30/25 fps (NTSC/PAL)
Day/Night	Mechanical (ICR) D/N Control
Day/Night Mode	Auto/ BW/ Color
Shutter Time	1/10,000s to 1/7.5s Selectable (60Hz); 1/10,000s to 1/6.25s Selectable (50Hz)
Minimum Illumination	IR LED OFF: Color: 0.15 lux at 50 IRE, 0,03 lux at 10 IRE, F1.2; (Shutter speed: 1/15 sec) IR LED ON: 0 lux
Video Output	NTSC: 720x480 @30fps; PAL: 720x576 @25fps
Bit Rate Control	CBR, VBR

Lens

Lens Type	Built-in; Varifocal
Focal Length	f=3~9mm, F1.2
Focus / Zoom	Autofocus, motorized / Remote
View Angle	H: 78°(Wide)~28°(Tele)
IRIS Control	DC IRIS

IR LEDs

LED Quantity	48 pcs (850nm)
IR Distance	30 meters (87 ft.)
IR turn on status	Under 5 lux by auto control
LED Life	More than 10,000 hours (50°C)

Audio

Audio Communication	Two-way Audio
Compression	G.711-Alaw / G.711-Ulaw, 8kHz
Audio In/Out	External microphone and speaker

Image Enhancement

Image Settings	AES, AWB, AGC Exposure Mode: AES / ALC / Flickerless / Manual; White Balance: Auto / Manual; Backlight Compensation Configurable Brightness, Contrast, Hue, Saturation, and Sharpness Gamma Correction
WDR	Enhanced Digital WDR
DNR	Configurable 3DNR setting
Privacy Zone	Yes, up to 8 privacy zones
Image Orientation	Mirror, Flip
Frequency Control	NTSC(60Hz)/ PAL(50Hz)
Date & Time Stamp	Yes

Intelligent Video & Event Management

Motion Detection	Yes, 3-level sensitivity
Ethernet Detection	Network loss detection
Others	Optimized i-frame (GOP) setting

Events	Motion detection, ethernet detection, external alarm
Event Actions	Event snapshot to remote FTP storage/ email recipients, Edge recording to SD card, HTTP event query, HTTP event client pulling
Store Category	Event snapshot, Edge recording, Manual Snapshot, Manual Recording

Local Storage

Memory Card Slot	microSDHC/SDXC support
Memory Card Overwrite	Yes

Network

Protocol	ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, UDP, UPnP, IEEE802.1X
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
ONVIF	Yes
Browser	Internet Explorer, Chrome, Firefox, Safari
Security	Multiple user access levels with password protection; IP address filtering; IEEE 802.1X network access control, HTTPS encryption, and digest authentication

I/O & Controls

Power	All-in-one tail cable out 2-pin Terminal block/ Female RJ-45 10BASE-T/100BASE-TX PoE
Power LED Indicator	System power and status indicator
Alarm In/Out	Terminal block 1 in / 1 relay out (30V, 1A)
Network	RJ-45 with LED Indicator
Audio In/Out	Terminal block 1 in / 1 out
Analog Video	1 x composite video out, micro JST
System Reboot	Reset x 1
Factory Default	Default x 1, pressing 5 sec for loading factory default

Power

Power Requirement	AC 24V ± 10% / PoE (IEEE 802.3af) *Arctic power-on support by PoE at -40°C
Power Consumption (Max.)	11.5W

Mechanical

Dimensions(WxDxH)	115 x 264 x 110 mm (4.53" x 10.39" x 4.33")
Weight	1600g (3.44 lb)
Protection	IP67 Certified, IP68 Compliant IK10 Compliant

Environmental

Operating Temperature	(On-board heating device) -40ºC ~ 50ºC (-40ºF ~ 122 ºF)
Operating Humidity	90% RH, non-condensing
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)

Regulatory

Approvals	CE, FCC, RoHS

Ordering Information

Model No.	NTSC: NCR368-N2-MES; PAL: NCR368-P2-MES
Accessories	Easily adjustable 3-axis and cable-concealed bracket with standard package

Dimensions

110 mm (4.33") 101 mm (3.97") Φ115 mm (4.52") Φ90 mm (3.54") 252 mm (9.92") 264 mm (10.39")