



## NCR516

### Intelligent IR Traffic Network Camera

1/3" Lumii Sensor, H.264, 70m (230ft) IR, dual streaming, WDR, 3D DNR, mechanical ICR day/night, 2-way audio, IP66

The NCR516 is an industry-leading traffic network camera which utilizes the proprietary CatchAll™ LPR/ANPR Enhancing Technology to deliver crisper, clearer images of critical traffic information in detail, regardless of the environment or lighting conditions. The advanced Intelligent Traffic Mode allows full customization to optimize the identification results. With the network capabilities, the NCR516 can be accessed at any time from any network devices. The vandal-resistant, die-cast aluminum alloy housing protects the camera from rough weather and vandalism.

**ONVIF**

#### Intelligent Traffic Mode

Intelligent Traffic Mode enables the camera to capture license plate information under various traffic speed/installation settings. Operators can choose from 4 preset modes that best adapt to the environment and achieve the optimized LPR results.



#### Adjustable IR

Featuring the advanced IR adjustment, the camera offers the flexibility to free images from IR overexposure and hot spots and thus to ensure even light illumination across the entire field of view in accordance with the requirements at the installation site.



#### Headlight Suppression

Driven by the CatchAll™ Technology, Headlight Suppression allows the camera to minimize the interfering factor of approaching high-beam headlights, resulting in clear traffic information capture for positive identification.



#### Extendable with IR Illuminator

The camera can be fully integrated with MESSOA SLI080 Series IR Illuminators to achieve an extended coverage beyond 70 meters (230ft) for enhanced license plate images at night. The pulsed IR can sync with the camera's shutter to provide higher power, on-target outputs.



#### Fog Penetration

The Fog Penetration enables the camera to peer through fog or smoke to recover real color images in such environment. It greatly improves the LPR accuracy by delivering sharper, more information-rich images.

## Specifications

Video	
Sensor Type	1/3" image sensor optimized for low-light performance
Active Pixels	NTSC: 768 x 494 (HxV); PAL: 752 x 582 (HxV)
Compression	H.264 / MPEG4 / Motion JPEG
Streaming	Dual Streaming
Resolution	600 / 700 TV lines (day/night mode)
Max. Frame Rate	Full D1 resolution (720x480) at 30 fps (NTSC) and (720x576) 25 fps (PAL)
Day/Night	Mechanical (ICR) D/N control
Day/Night Mode	Auto / Mono / Color / D/N Sync / Schedule
Shutter Time	NTSC: Auto ( 1/60 to 1/100K sec.) / manual 46 steps (1/60 to 1/100K sec.) PAL: Auto ( 1/50 to 1/100K sec.) / manual 46 steps (1/50 to 1/100K sec.)
Minimum Illumination	Day mode: 0.01 Lux(F1.4, AGC on, 10IRE); 0.04 lux (F1.4, AGC on, 50IRE); Night mode: 0.003 Lux(F1.4, AGC on , 10IRE); 0.01 lux (F1.4, AGC on, 50IRE)
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 varifocal lens, f=7.5~50mm, F1.3 IR-corrected
View Angle	H: 72°(Wide)~12°(Tele) / V: 50°(Wide)~8°(Tele)
IRIS Control	DC IRIS
Lens Mount	CS Mount

IR LEDs	
LED Quantity	104pcs (850nm)
IR Distance	70 meters (230 ft.)
IR turn on status	Photocell Sensitivity Adjustable
LED Life	More than 10,000 hours (50°C)

Audio	
Audio Communication	Two-Way Mono Audio, Full-Duplex
Compression	8kHz, Mono, PCM
Audio In/Out	Terminal Block for External microphone and speaker

Image Enhancement	
Image Settings	Gamma correction: 10 levels selectable; Chroma: 9 levels selectable; Lumii: 9 levels selectable; Backlight Compensation: 6 zones selectable; Aperture control: 3 levels selectable; Headlight suppression: 10 levels selectable; Fog penetration: 6 levels selectable
Digital WDR	Yes; ON / OFF
Privacy Zone	Yes; Up to 8 zones
Image Orientation	Mirror, Flip
Frequency Control	50Hz, 60Hz
Date & Time Stamp	Yes
Others	White Balance: ATW1 / ATW2 / Manual; Shadow adjustment: ON / OFF; Digital Noise Reduction(DNR): OFF / 2DNR / 3DNR; Flickerless: YES

Intelligent Video & Event Management	
Motion Detection	Yes
Events	Motion Detection, External alarm, Schedule
Event Actions	Digital Output; Send Notification Message; Upload Video/Snapshot; Send URL commands; Change D/N Mode
Store Category	Snapshot / Video / Audio

Intelligent Traffic Mode	
1. Traffic 1	: 20 to 110 km/hr; 12 to 68 mph
2. Traffic 2	: 90 to 180 km/hr; 56 to 112 mph
3. Traffic 3	: 20 to 110 km/hr; 12 to 68 mph
4. Traffic 4	: 0 to 20 km/hr; 0 to 12 mph

Network	
Protocol	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN
ONVIF	Yes
Browser	IE browser 6.0 or above
Security	Password Protection: Configured by the Administrator
Remote management	Configuration and system log can be accessed via web browser; Camera configuration/OSD setting by APP software

I/O & Controls	
Alarm In / Out	Terminal Block 1 in / 1 out
Network	RJ-45
Audio In / Out	Terminal Block 1 in / 1 out
Analog Video	BNC X1, 1.0Vp-p, 75Ω
Reset	Factory Default
Others	IR sync with SLI080

Power	
Power Requirement	AC24V ± 10%
Power Consumption (Max.)	55W (max. with heater & blower)

Mechanical	
Dimensions(WxDxH)	422 x 174 x 145mm (16.6" x 6.9" x 5.7")
Weight	6600g (14.54lb)
Protection	IP66, vandal-proof

Environmental	
Operating Temperature	-40°C ~ 50°C (-22°F ~ 122 °F)
Operating Humidity	30~ 90% RH
Storage Temperature	-40°C ~ 60°C (-22°F ~ 140°F)

Regulatory	
Approvals	CE, FCC, RoHS

Order Information	
Model No.	NTSC: NCR516-HN2-US-MES; PAL: NCR516-HP2-EU-MES
Accessories	Cable-Concealed Bracket with Standard Package Support; Corner Mount: Adapter SAD707; Pole Mount: Adapter SAD708

## Dimensions

