MESSOA®

NCH517
2 Megapixel Network LPR Solution

1/2.7" Lumii sensor, H.264, ICR day/night, multi-lane capture, Intelligent Traffic Mode, 850nm IR illumination

The NCH517 is a 2MP IP LPR solution engineered for detail-demanding traffic surveillance, ranging from access control to high-speed monitoring up to 180km/h. Featuring 1080p resolution and the standalone high-power illuminator, it is perfect for monitoring multi-lane traffic under all lighting conditions. The built-in Intelligent Traffic Mode and Customizable Profile Configuration make setup and operation effortless for all users. Backed by the patented adjustable diffuser design, the IR Illuminator produces ample, uniform IR lighting, allowing the camera to capture all critical vehicle information in the greatest detail across all monitored traffic lanes.

3 year warranty

ONVIF

Multi-lane Traffic Monitoring

Monitor multiple traffic lanes simultaneously and reduce costs without needing multiple cameras, thanks to the NCH517's x2.5 coverage range compared to D1. The Full HD resolution provides superior image quality as every detail comes through in razor-sharp megapixel clarity.

Superb Low Light Performance

Combining with the SLI080 IR Illuminator to provide effective IR lighting needed to achieve high quality images for extra long distance and/or high-speed monitoring at night. The proprietary adjustable diffuser design ensures uniform illumination across the entire scene.

Customizable Profile Configuration

Providing users with flexibility to configure and apply optimized parameter settings for different time frames up to 4 customizable profiles to meet the variation in environmental factors during a day.

Easy Setup and Control with IP Technology

Leveraging the advantages of IP technology, the NCH517 provides simple, flexible setup and control that can be done from remote locations via the existing IP network. A variety of video detections and event management capabilities serve as a complementary tool to enhance the monitoring experience.

Intelligent Traffic Mode

Built in with 4 preset modes with optimized parameter settings in accordance with different car speeds and camera angles to help inexperienced users easily achieve the best capture results in these preprogrammed scenarios, e.g. city surveillance, highway, entry point/toll station, and parking lot.

Specifications

General

Overview

Capture Range	Up to 100m (328ft)
Max Capture Speed	Up to 180km/h (112mph)
Target Plate Type	Reflective

IR Illumination

IR illumination	SLI080-10D
IR Distance	Up to 300m
Beam Angle	10-50º with adjustable optical diffuser
LED	850nm, high power SMD
Power Consumption	55W(max)
Power Supply	AC24V/DC12V +/-10%
Even Illumination	by 40º optical diffuser with adjustable ON/OFF mechanism
Remote Control	Remote access of IR intensity, sensitivity via Web is possible(Tentative only)

2MP IP Camera

Video

Sensor Type	1/2.7" image sensor optimized for low-light performance
Active Pixels	1920x1080 (HxV)
Compression	H.264 / MPEG4 / Motion JPEG
Streaming	Triple simultaneous streams
Resolution	1080p, SXVGA, 720P, XGA, SVGA, D1, VGA, 2CIF, CIF
Max. Frame Rate	2MP 16:9 (1920x1080) at 30 fps (NTSC) and 25 fps (PAL)
Bit Rate Control	Primary stream bit rate control: CBR/VBR
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)"
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps

Image Enhancement

Image Settings	Exposure Mode: Auto Exp./Manual Exp./Auto IRIS; White Balance: Auto/Manual; Backlight Compensation: 5x5 zones selectable; Gain, Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity
Digital WDR	Yes; 5 level sensitivity
Privacy Zone	Yes; customized threshold privacy zone
Frequency Control	50Hz, 60Hz
Date & Time Stamp	Yes

Intelligent Video & Event Management

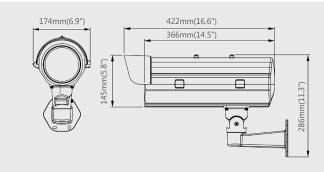|	
Motion Detection	5 x 5 zones, 5 level sensitivity or customized threshold
Blur Detection	Customized sensitivity in seconds
Ethernet Detection	Network loss detection
Smart Encoding	Configurable ROI for better picture quality
Others	Snapshot, Smart Focus, e-PTZ, Optimized i-frame setting
Events	Motion 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

Intelligent traffic Mode

Intelligent Traffic Mode	4 modes including City Surveillance, Highway, Entry/Toll and Parking lot

Profiles	4 customizable parameters options to meet various field conditions for best performance on 24/7 application

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
ONVIF	Yes
Browser	IE Browser 6.0 or Above
Security	Two-level access with password protection

I/O & Controls

Power	Screwless Terminal block
Power LED Indicator	Yes
Alarm In/Out	Terminal Block 2 in / 1 out
Network	RJ-45 with LEDs
Audio In/Out	3.5mm Phone Jack 1 in / 1 out
RS-485	Reserved
Analog Video	BNC X1, 1.0Vp-p, 75Ω
Reset	Within 5 secs to reboot; More than 5 secs to load default

Power

Power Requirement	AC 24V ± 10%
Power Consumption	35W (Max.)

Mechanical

Dimensions(WxDxH)	114 x 66 x 65 mm (4.5" x 2.6" x 2.6")
Battery Backed-up Real-time Clock	Yes; External RTC

Lens

Type, Focal Length, F-number	1/2", F1.6, 8-80mm
IR Correction	YES
FOCUS, ZOOM	Manual
IRIS Control	DC IRIS
Lens Mount	C/CS Mount; Adjustable lens back focus

Environmental

Operating Temperature	-40ºC ~ 50ºC (-40ºF ~ 122 ºF)
Operating Humidity	10~ 90% RH
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)

Installation

Wall Mount Bracket	SAB754 included
Housing	SAH725HB-2 (white, US market only)
Weight	10kg approx.

Certification

Electromagnetic Compatibility	
Emission	EN55022 Class A;FCC Part 15 Class A
Immunity	EN50130-4:2011
Environment protection	RoHS
Safety	Conforms to UL design
Waterproof	IP66/IP67
Warranty	3 years

Order Information

Model No.	NCH517
Accessories	D/N Control cable (option)

*Function not available for models sold in Argentina

Dimensions

174mm(6.9")
422mm(16.6")
366mm(14.5")
145mm(5.8")
286mm(11.3")
233mm(9.2")
167mm(6.6")
280mm(11")
310mm(12.2")
195mm(6.7")
176mm(6.9")