VIVOTEK IP9165-LPR i-CS

Vivotek IP9165-LPC (i-CS) License Plate Capture Solution

Product Overview

Vivotek IP9165-LPC (i-CS) License Plate Capture Solution (110MPH/180km/hr), i-CS, 2 Lanes, Anti-Glare, 110MPH, Recognition 35M, RBF



Specifications

Overview:

VIVOTEK's IP9165-LPC Kit represents a total solution for LPC (License Plate Capture) applications by leveraging the top tier image quality and traffic monitoring ability of the IP9165-LPC box camera. The CaMate IR Illuminator utilizing CVA Tech provides adjustable beam angles for different distances. The Headlight filter is implemented to reduce instances of glare from direct headlight contact. The IP9165-LPC Kit delivers clear license plate images for reliable recognition, in both the sunniest days, and in the darkest nights.

Empowered with VIVOTEK Scene Mode, which provides different exposure levels to avoid overexposure in some lighting conditions, the IP9165-LPC Kit can capture clear plate images from the vehicles moving at speeds of up to 110MPH (180km/hr).

Value-added features such as i-CS (intelligent-CS) lens, DIS (Digital Image Stabilization) and remote IR beam angle adjustment ensure that the IP9165-LPC Kit can be easily installed and adjusted to provide the perfect LPR solution. Further, with the high-resolution images supporting a wide range of up to two lanes, the IP9165-LPC Kit is also the most economic solution in LPR applications.

Features:

- Capture Vehicle Speed up to 110MPH (180km/hr)
- One Camera Covers Dual Lanes
- i-CS Lens and Remote Controllable IR Illuminator for Clear Images and Easy Installation
- Certified by Numerous LPR Software Manufacturers around the World
- Vandal-Proof IK10-rated and Weather-Proof IP68-rated Housing

One Camera Covers Both Scene Overview & LPC View
VIVOTEK's 2 Mega-pixel resolution kit provides not only sufficient PPF for license plate capture, but also for a clear overview of moving vehicles, including car color, brand and type for general traffic surveillance purposes. Therefore, with only one

VIVOTEK's IP9165-LPC Kit, users can yield more information from one single location.

Supreme Anti-Glare Capability
Capturing images at night is a challenging issue for any surveillance application, but for License Plate Capture applications the challenge is even greater due to noise and glare caused by the headlights of cars. The IP9165-LPC Kit is equipped with external 48W/80W IR Illuminators and a delicate headlight filter, which help to filter out reflected light and only capture detailed information from the plates. Moreover, the IR threshold is also programmed to deploy the IR Illuminator automatically to ensure 24/7 & Day/Night performance.

Remote Control Zoom/Focus and IR Beam Angle
Equipped with the i-CS (intelligent-CS mount) lens and remote controllable IR illuminator, the camera enables installers to remotely adjust zoom/focus and beam angle of IR for easy setup and fine-tuning setting.

Specifications:

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Specifications	
Product Code	VIVOTEK IP9165-LPR i-CS
System Information	
Model	IP9165-LPC Kit (Highway, 9-50mm, i-CS)
Max. Speed	Highway: 110MPH (180 km/hr)
	Street: 60MPH (90 km/hr)
IR Threshold	IR on: 300 lux
	IR off: 600 lux
	RS485 configurable
Shutter Time	Highway: 1/1, 600 to 1/10, 000 sec.
	Street: 1/1, 000 to 1/10, 000 sec.
Max. Shutter Time	1/5 to 1/32, 000 sec.
Illuminators	Highway: 80W, 20 degrees ~ 40 degrees remote control beam angle
	Street: 48W, 10 degrees ~ 30 degrees remote control beam angle, embedded IR illuminator
Capture Range	Up to 35 meters
Captured Lanes	Highway:
	Road-side: 2 Lanes
	Gantry: 2 Lanes
	Street:
	Road-side: 1 Lane
	Gantry: 2 Lanes
	*Suggested width per lane: 3.5 ~ 4M

Power Input	AC/DC 24V
Power Consumption	Highway:
	Max. 110 W, AC/DC 24V
	Suggested Power: AC 24V or DC 24V/ 5A
	Street:
	Max. 78 W, AC/DC 24V
	Suggested Power: DC 24V or AC 24V / 3.5A
Weight	Highway: 6,482 g
	Street: 6,200 g
Housing	Weather-proof IP68-rated housing
	Vandal-proof IK10-rated housing
Operating Temperature	Starting Temperature:
	0 degreesC ~ 60 degreesC (32 degreesF ~ 140 degreesF)
	Working Temperature:
	-20 degreesC ~ 60 degreesC (-4 degreesF ~ 140 degreesF)
	-40 degreesC ~ 60 degreesC (-40 degreesF ~ 140 degreesF), with optional cold start heater
Humidity	0.9
Video	
Compression	H.265, H.264, MJPEG
Maximum Streams	4 simultaneous streams
Image Settings	Adjustable image size, quality and bit rate;Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, AE speed, privacy masks; Scheduled profile settings, HLC, defog, 3DNR, DIS, video rotation, lens profile
Network	
Users	Live viewing for up to 10 clients
Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP
Interface	10 Base-T/100 Base-TX/1000 Base-T Ethernet (RJ-45)
	*It is highly recommended to use standard Cat. 5e & Cat. 6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at www.onvif.org
Solution Integration	
Video Motion Detection	Five-window video motion detection
Alarm and Event	
Event Trigger	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)

Event Action	Event notification via digital output, email, HTTP, FTP, NAS server, SD card, push notification
	File upload via email, HTTP, FTP, NAS server, SD card
General	
Smart Focus System	Remote Focus with i-CS lens
	RBF (Remote Back Focus) reserved
IP Camera Connectors	RJ-45 cable connector for Network/PoE connection *1
	Audio input *1
	Audio output *1
	DC 12V power input *1
	AC 24V power input *1
	Digital input *2
	Digital output *2
	RS485 *1
	BNC *1
Safety Certifications	IP Camera: CE, LVD, FCC Class B, VCCI, C-Tick, UL
System Requirements	
Operating System	Microsoft Windows 8/7
	Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above
	Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above
	QuickTime: 7 or above
Technical Specifications - Network Camera	
Model	IP9165-LPC (9-50mm)
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	1 GB
Camera Features	
Image Sensor	1/2" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	Vari-focal, Remote Back Focus, i-CS
Focal Length	f = 9 ~ 50 mm
Aperture	F1.5 ~ F1.6
Auto-iris	i-CS (P-iris/DC-iris reserved)
Field of View	8.3 degrees ~ 42.8 degrees (Horizontal)
	4.7 degrees ~ 24.3 degrees (Vertical)
	9.46 degrees ~ 48.9 degrees (Diagonal)

WDR Technology	WDR Pro II
Day/Night	Removable IR-cut filter for day & night function
	(Headlight filter design for Anti-Glare)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot (Max. SD card capacity: 128GB)
	Seamless Recording
Video	
Maximum Frame Rate	60 fps @ 1920x1080
S/N Ratio	66.2 dB
Dynamic Range	140 dB
Audio	
Audio Capability	Two-way Audio (full duplex)
Compression	G.711, G.726
Interface	External microphone input
	External line output
Technical Specifications - IR Illuminator	
Model	CA80I8-2040: IP9165-LPC Kit (Highway), 80W, 20 degrees ~ 40 degrees remote adjustable
Max. Distance	CA80I8-2040: 170 ~ 280 meters
Beam Angle	CA80I8-2040: 20 degrees ~ 40 degrees remote adjustable
Power Input	CA80I8-2040: 24VDC +/-10%, 24VAC(50/60Hz) +/-10%
Power Consumption	CA80I8-2040: 80W
Weight	CA80I8-2040: 2.1 kg
	AI-109: 1.2 kg
Housing	Weather-proof IP68-rated housing
	Vandal-proof IK10-rated housing
Operating Temperature	CA80I8-2040: -40 degreesC ~ 60 degreesC (-40 degreesF ~ 140 degreesF)
Color	CA80I8-2040: Black
Wavelength	850nm
Dimensions	CA80I8-2040: 220 x 160 x 73 mm
Included Accessories	CA80I8-2040: U-Type Bracket (134 x 34 x 81.5 mm)
Certifications	CA80I8-2040: IEC 62471, EN 50130-4, CE: EN61000-6-3, EN60598-1, EN60598-2-5, FCC Class A, EN60529
Integrated Control	Built-in photocell for automatic IR on/off

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/VIVOTEK-IP9165-LPR-i-CS-Vivotek-IP9165-LPC-i-CS-License-Plate-Capture-Solution-p-250901.php

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