



IP816A-LPC

Fixed Network Camera



WDR Pro • SNV • Remote Back Focus • DIS •
Snapshot Focus • Corridor View • License Plate Capture

VIVOTEK's IP816A-LPC is a professional box network camera offering perfect solutions for License Plate Capture with a unique headlight filter design for traffic monitoring. Featuring dedicated LPC firmware and mutually compatible lens, the IP816A-LPC provides 2 different models: the IP816A-LPC (Highway) is perfect for highway based application with 85MPH (140 km/hr), and the IP816A-LPC (Street) is perfect for Street based application with 60MPH (90 km/hr). With a suitable selection of external IR LEDs, these camera will be ideal for 24/7 license plate capture and will provide high-detail polished images for reliable license plate recognition.

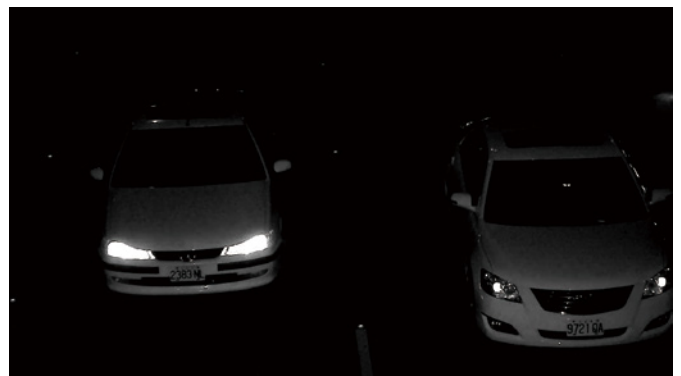
Equipped with a P-iris lens for extreme precision images, a headlight filter design which blocks distracting lights, and Full HD sensor enabling viewing resolution of 1920x1080 at a smooth 30

fps, the IP816A-LPC is capable of capturing high quality and high resolution video in any conditions. With up to 2 Megapixel with WDR Pro, 3DNR and SNV technology, no matter whether in high contrast or in low light environments, this camera is high-tech workhorses which will ensure license plate capture and traffic monitoring of the highest precision.

In order to help properly adjust the focus of this high resolution camera, the IP816A-LPC is equipped with VIVOTEK' s RBF (Remote Back Focus) System, allowing installers to adjust focus even more accurately in complicated or sensitive installation environments. Meanwhile, value-added features like DIS and Snapshot Focus ensure that the IP816A-LPC performs as the perfect LPR solution by empowering installers to adjust camera positions and focus with extreme precision.

Key Features

- 30 fps @ 1920x1080;
60 fps @ 1920x1080 (one-stream mode only)
- Supreme Anti-Glare Capability by Headlight Filter Design
- WDR Pro (100 dB) to Provide Extreme Visibility in High Light Contrast Scenes
- SNV (Supreme Night Visibility) for Low Light Conditions
- RBF System to Assist for Precise Focus Adjustment
- DIS (Digital Image Stabilization) to Control Image Stability
- Lens Profile for Camera Quality Optimization
- Snapshot Focus



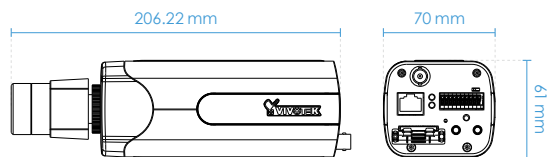
Supreme Anti-Glare Capability:
Clear Image Captured with IR Illuminators and Headlight Filter

Technical Specifications











Model	IP816A-LPC (Highway) IP816A-LPC (Street)	Interface	External microphone input Audio output
System Information		Network	
CPU	Multimedia SoC (System-on-Chip)	Users	Live viewing for up to 10 clients
Flash	256MB	Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS
RAM	384MB	Interface	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
Camera Features		ONVIF	Supported, specification available at www.onvif.org
Image Sensor	1/1.9" Progressive CMOS	Intelligent Video	
Maximum Resolution	1920x1080 (2MP)	Video Motion Detection	Triple-window video motion detection
Lens Type	Vari-focal	Alarm and Event	
Focal Length	f = 12 ~ 40 mm	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Aperture	F2.36 ~ F2.44	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and SD card File upload via HTTP, SMTP, FTP, NAS server and SD card
Auto-iris	P-iris (DC-iris reserved)	General	
Field of View	10.2° ~ 30° (Horizontal) 8° ~ 22° (Vertical) 12° ~ 38° (Diagonal)	Smart Focus System	RBF (Remote Back Focus)
Shutter Time	IP816A-LPC (Highway): 1/1600 to 1/10,000 sec. IP816A-LPC (Street): 1/800 to 1/10,000 sec. Max. Shutter Time: 1/5 to 1/10,000 sec.	Connectors	RJ-45 for Network/PoE connection Audio input/output BNC Video output AC 24V power input DC 12V power input Digital input*3 Digital output*1 RS485
WDR Technology	WDR Pro	LED Indicator	System power and status indicator
Day/Night	Removable IR-cut filter for day & night function	Power Input	DC 12V/AC 24V IEEE 802.3af PoE
Minimum Illumination	0.03 Lux @ F1.4 (Color)	Power Consumption	Max. 9.2 W (DC 12V) Max. 15.4 W (AC 24V) Max. 12.2 W (PoE)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Dimensions	230.2 (D) x 70 (W) x 63.5 (H) mm
On-board Storage	Slot type: SD/SDHC/SDXC card slot Seamless Recording	Weight	632 g
Video		Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Compression	H.264 & MJPEG	Operating Temperature	Starting Temperature: 0°C ~ 60°C (32°F ~ 140°F) Working Temperature: -10°C ~ 60°C (14°F ~ 140°F)
Maximum Frame Rate	30 fps @ 1920 x1080 60 fps @ 1920 x1080 (In one-stream mode only) In both compression mode	Humidity	90%
Maximum Streams	2 simultaneous streams	Warranty	36 months
S/N Ratio	50.8 dB	System Requirements	
Dynamic Range	Up to 100 dB	Operating System	Microsoft Windows 8/7
Video Streaming	Adjustable resolution, quality and bitrate	Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11
Image Settings	Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, scheduled profile settings; 3D noise reduction, DIS, video rotation, snapshot focus		
Audio			
Audio Capability	Two-way audio (full duplex)		
Compression	AAC, G.711, G.726		

Technical Specifications

Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Included Accessories	
CD	User's manual, quick installation guide, Shepherd, VAST 32-channel recording software
Others	Quick installation guide, warranty card, lens, camera stand, screw pack
Dimensions	



Compatible Accessories

Enclosures			Lens	
				
AE-23A 24VDC/AC, IP68, IK10, -20°C ~ 50°C, with optional IR	AE-23C 24VDC/AC, IP68, IK10, -50°C ~ 50°C, with optional IR	AE-23E POE, IP68, IK10, -20°C ~ 50°C, with optional IR	AL-245 12~ 40mm, F1.8, P-iris	
Others				
IR Illuminators		Brackets		
				
CM8018-2040 80W, 20° ~ 40° adjustable, -40°C ~ 60°C, 12 ~ 24VDC, 24V AC	CM4818-2040 48W, 20° ~ 40° adjustable, -40°C ~ 60°C, 12 ~ 24VDC, 24V AC	AM-21D Wall mount bracket	AM-21E Wall mount bracket, w/ cable management	AM-314 Pole mount bracket
				
				AM-315 Pole mount bracket