



IPTECHVIEW Universal Camera

[U2-BLT-4VF-LPR-60FPS]

4MP Varifocal LPR 60 FPS Bullet Cloud Camera



IPTECHVIEW U2-BLT-4VF-LPR-60FPS features automatic gain control, white balance, and WDR for various light conditions. This high-quality camera with a 4MP sensor @ 60fps, with a built-in vehicle and license plate recognition algorithm, can recognize standard license plates of multiple countries. Thanks to the memory card slot, you can optionally record at the edge. The camera is made with a dust- and vandal-resistant metal case rated IP67 for ingress protection.



Compatible with IPTECHVIEW and any VMS that supports



- Easy Plug and Play and Cloud Management
 - > No fixed IP or port forwarding needed
 - > Full access to GUI through IPTECHVIEW
 - > Rich monitoring & alerting rules
- High quality image with 1/1.8" CMOS sensor
- 4MP (2688 x 1520) @ 60fps with real-time video
- Focal Lens 10 to 50mm
- Ultra 265, H.265, H.264, MJPEG **
- Supports Wise-ISP for enhanced image quality
- Automatic gain control, white balance, and WDR for various light conditions
- Built-in vehicle and license plate recognition algorithms can recognize standard license plates of multiple countries
- Supports plate allowlist and blocklist configurations
- Wiegand Output Interface
- Up to 512GB Micro SD card
- IK10 vandal-resistant and IP67 protection
- Support PoE power supply DC 12V, PoE (IEEE 802.3af)

***NDAA Compliant Camera.** Connectivity software & cloud design developed in the USA.

**IPTECHVIEW cloud recording uses H.264

Specifications

Camera U2-BLT-4VF-LPR-60FPS

Sensor	1/1.8-inch 4MP CMOS
Focal length	10 to 50mm
Shutter	Auto, range: 1/500 ~ 1/1000000s
Minimum Illumination	0.002lux (F1.7)
FOV	Horizontal FOV: 34.3° to 8.7°, Vertical FOV: 19.9° to 4.8°, Diagonal FOV: 40.5° to 9.8°
WDR	120 dB
S/N	>50 dB

Image

Image collection format	2688*1520@60,2688*1520@50,2688*1520@30 (default), 2688*1520@25
Frame rate	60, 50, 30 (default), 25, 22, 20, 18, 16, 15, 12.5, 10, 8, 6, 5, 4, 3, 2, 1
Video compression	H.264 (default), H.265
ROI	Supports up to 8 regions
HLC	Support
BLC	Support
Defog	Digital defog
Digital Noise Reduction	3D DNR
Video OSD	Supports 8 overlay areas and allows contents including date, time, date&time, zoom ratio, custom contents
Image OSD	Supports 8 overlay areas and allows contents including time, license plate number, device ID, camera ID, allowlist, image authentication ID, custom contents (3 items), location

Display Parameters

Resolution	Main stream: 2688*1520, 1080P (default), 720P, D1; Sub stream: 720P (default), D1, 2CIF, CIF; Third stream: D1 (default), 2CIF, CIF
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Smart

Application scenario	≤ 80km/h for regular roads; Camera with the focal length of 10 to 50mm can be used for regular roads
Vehicle detection mode	Supports video detection
License plate number recognition	Supports recognition of license plates with numbers and letters by default
List configuration	Supports allowlist and blocklist configuration, each list allows 20,000 items Supports import, export, add, and delete operations
Barrier opening policy	Open barrier only for the recognized vehicles Open barrier for all vehicles Open barrier only for vehicles on the allowlist Open barrier for vehicles not on the blocklist Configurable Boolean output ID
Country and Region Supported	United States, Canada, Saudi Arabia, United Arab Emirates, Qatar, Singapore, Malaysia, Indonesia, Vietnam, Thailand, India, Bangladesh, Cambodia, South Korea, Kyrgyzstan, Tajikistan, Spain, Kazakhstan, Uzbekistan, Turkmenistan, Tunisia, Argentina, Mexico, Finland, Latvia, Estonia, Lithuania, Poland, France, Portugal, Germany, United Kingdom, Ireland, Bulgaria, Romania, Hungary, Serbia, Bosnia and Herzegovina, Greece, Croatia, Italy, Sweden, Netherlands, Belgium, Austria, Norway, Denmark, Slovenia, Czechia, Slovakia, New Zealand, Australia, Nepal, Philippines, Israel, Albania, Moldova, Turkey, Switzerland, Georgia, Bahrain, Morocco, Egypt, Brazil.

Structure

Illumination	Built-in integrated illumination module, including 5 warm light LEDs, 50m illumination distance, automatic on/off control
Bracket	3-axis mounting bracket
Junction box	The camera comes with a junction box for storing tail cable

Storage

Edge Storage	Supports ANR with a Micro SD card, up to 512GB
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Intelligence

Vehicle Type Recognition	Car/Van/Large Bus/Medium Bus/Heavy Truck/Light Truck/SUV/MPV/Pickup/Motorcycle
Vehicle Color Recognition	Red, yellow, green, blue, purple, pink, brown, white, grey, black, silver, orange
Vehicle Manufacturer Recognition	133 Manufacturers: Audi, ALFA ROMEO, AION, ANKAI, ACURA, Aston Martin, ARCFox, BYD, BUICK, BENTLEY, BMW, BAIC, MOTOR, BUGATTI, CHANGAN, BORGWARD, Beiben Truck, Besturn, Citroën, Cadillac, CHERY, CHRYSLER, Chevrolet, CHTC, DONGFENG, DACIA, Daihatsu, DATSUN, DODGE, DS, FAW, DAEWOO, Dongnan, EXEED, Ford, FORLAND, Ferrari, FIAT, Foton, GEELY, GAC, GREAT WALL, GMC, Geometry, HONDA, HYUNDAI, HIGER, Hino, Hong Qi, Haval, Haima, INFINITI, Isuzu, IVECO, IM, JAC, JEEP, JAGUAR, JOYLONG, JMC JETTA, JETOUR, KIA, Karry, King Long, KMULLER, LYNK&CO, LINCOLN, LEXUS, LOTUS, LANDWIND, LANDROVER, LIFAN, LEVC, LAMBORGHINI, LUXGEN, LEOPARD, LADA, LUMMA, LI AUTO, LEAPMOTOR, Mercedes-Benz, MINI, MAZDA, McLaren, MASERATI, MAN, MG, MITSUBISHI, MAXUS, MORGAN, MUSTANG, MODERN AUTO, NISSAN, NIO, OPEL, ORA, OUSHANG, PEUGEOT, PORSCHE, Polestar, QOROS, Roewe, ROLLS ROYCE, RENAULT, SINOTRUK, SXCAT, SKODA, SSANGYONG, SMART, SUZUKI, SUBARU, SAAB, SCANIA, SEAT, SWM, SANY, SILVER, SKYWORTH, TOYOTA, TESLA, TANK, Volkswagen, VOLVO, VOYAH, Wuling, WEY, XCMG, Xiaopeng Motors, XINYUAN, YUTONG, ZOTYE, ZHONGTONG, ZEEKER, ZHONGHUA, ZHINUO.

Network

Protocols	IGMP, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, DNS, DDNS, NTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS, SSH, IPv4
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), SDK, API

Interface

Network interface	1×10M/100M RJ45
Serial port	2×RS485
Boolean output	2 relay outputs, withstand voltage: AC 125V/0.3A, DC 30V/1A
Boolean input	2×input, supports level (up to DC 5V) and switch signal
Audio interface	1×audio input, 1×audio output
Storage interface	1×Micro SD card slot
Reset button	Support

Hardware Specification

Wiegand Interface	Supports Wiegand output
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General

Weight	2.02kg (4.45 lb)
Ingress protection	IP67, IK10
Power supply	DC12V + 25% - 25% Max. power consumption: 20W Supports PoE (802.3at, class 4)
Dimensions (L×W×H)	406mm x 126mm x 130mm (16.0x5.0x5.1)
Operating environment	-40°C to 60°C, ≤90% RH
Heater	N/A

Compliance

NDA Compliant	Support
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Certification

EMC	CE-EMC (EN 55032:2015+A11:2020+A1:2020, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC 61000-3-2:2019+A1:2021, EN 50130-4:2011+A1:2014) FCC (FCC CFR 47 part 15 B, ANSI C63.4 2014)
Safety	EN IEC 62368-1:2020+A11:2020 UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment Protection	CE-RoHS (2011/65/EU; EU) 2015/863; WEEE (2012/19/EU) IP67 (IEC60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002+AMD1:2021)

Accessories



U1-ACC-B/D/T-POLE06-C-IN-V2
Pole Mount Adapter