LEBRON INFOTECH FZ-LLC

AUTOMATIC NUMBER PLATE RECOGNITION

(ANPR Camera with Bangla Number Plate Software)
for ETC Toll Solution



Specifications:

Model NO:	
Image Sensor	12 MP (1/1.8" GMOS)
Min. Illumination	Color: 0.001 Lux @ (F1.4, AGC ON)
Shutter Speed	60 us-20000 us
Digital Noise Reduction	2D/3D/4D DNR
Speed	0.3 ms
Lens	
Focal length	30 mm-40 mm
Aperture	F1.4
Focus	Manual
FOV	CS-mount; Horizontal field: 35°-10°; Vertical field: 27°-7°
	C-mount (with adapter ring)
Lens Mount	6 LED strobe supplement lights, angle: 40°
	Light supplement for license plate up to 30 m far away
Compression Standard	
Video Compression	Main stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEG
H.264 Type	Baseline profile/Main profile/High profile
H.265 Type	Baseline profile/Main profile/High profile
Video Bit Rate	32 Kbps to 16 Mbps
Smart Feature	
Recognition	License plate recognition
Coverage	1 lane
Supplement Light Type	External strobe/flash/continuous light
Smart Function	Vehicle type classification, color identification, no-plate vehicle capture, vehicle driving direction detection
Road Traffic and Vehicle Detection	
Country/Region	**Mid-East:** United Arab Emirates(Abu Dhabi, Fuchaiha, Dubai, Cape Haima, Ozhman, Sharjah, Umgavan), Qatar, Iran, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Pakistan, Oman, Lebanon, Bahrain Africa: Nigeria, Kenya, Cote d'Ivoire, South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria
	Asia-Pacific: Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, Philippines, Hong Kong, Macao, Taiwan, Burma, India, Mongolia, Cambodia, Laos, Bangladesh America: United States of America, Canada,Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, Dominican, Guatemala
	Europe: Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, Britain, Ireland, Germany, Italy, Austria, Israel, Palestine, Belgium, Luxembourg
	Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russian Federation, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia ,Albania, Kosovo
Accuracy(Under recommended installation and lighting conditions)	Capture rate > 99%
	Vehicle moving direction recognition accuracy > 98.5% LPR accuracy > 97%
	Mistaken capture rate < 3%
	European and Russian-Speaking Regions:
	LPR accuracy > 97%
	Country/Region recognition accuracy > 99.4%
No License Plate Detection	Supported
Motorcycle LPR	Supported
Vehicle Type	Car/Van/Bus/Truck/Others
Vehicle Color	Red, yellow(including orange), green, blue, purple, brown, white, grey(including silver), black

Vehicle Manufacturer	65 manufacturers: HYUNDAI, TOYOTA, KIA, HONDA, VOLKSWAGEN, BENZ, NISSAN, FORD, ISUZU, BMW, CHEVROLET, MITSUBISHI, RENAULT, OPEL, SUZUKI, SKODA, DAEWOO, AUDI, MAZDA, HINO, PEUGEOT, SSANG YONG, CITROEN, FIAT, SCANIA, MAN, VOLVO, LEXUS, SEAT, LAND ROVER, DAIHATSU, UD TRUCKS, SUBARU, IVECO, MINI, JEEP, PORSCHE, CHERY, DODGE, CHRYSLER, ACURA, ALFA ROMEO, GREAT WALL, INFINITY, SMART, SAIC MAXUS, JAC, JAGUAR, JMC, LINCOLN, JMC, SAAB, FAW, YUTONG, LWE, JOYLONG, GEELY, CADILLAC, JINBEI, ANKAI, HAIMA, FOTON, KING LONG, DONGFENG, EMGRAND
Seatbelt Detection	Supported (with flash supplement light SL-1211-2)
Phone Call Detection	Supported (with flash supplement light SL-1211-2)
Capture Speed Range	5 to 250 km/h
Image	
Max. Resolution	2064 × 1544
Main Stream	50 Hz: 50 fps (2064 × 1544, 2048 × 1536,1920 × 1080),60 Hz: 30 fps (2064 × 1544, 2048 × 1536,1920 × 1080)
Sub-Stream	1920 × 1080, 1280 × 720, 704 × 576, 352 ×288
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser.
SVC	H.264 and H.265 encoding
Day/Night Switch	Auto/Scheduled/Triggered by alarm in
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24-bit bmp format.
Network	
Network Storage	microSD/TF card (128 GB), local storage and CVR, NVR, ANR
Alarm Trigger	HDD Error, network disconnected, IP address conflicted, vehicle detector exception, traffic light detector exception
Protocols	TCP/IP, HTTP, HTTPS, FTP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, IPv6, UDP
Security Measures	Password protection, HTTPS encryption, digest authentication for HTTP/HTTPS, digest authentication for ONVIF (Version 2.1)
General Function	One-key reset, three streams, heartbeat, password protection, watermark
API	ONVIF (Version 2.1, PROFILE S, PROFILE G), ISAPI, SDK
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 user levels: administrator, operator and user
Client	iVMS-8600, iVMS-4200 (Only for video live view)
Web Browser	IE8-IE11, plug-in free live view supported
Interface	
Communication Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces 3 RS-485 interfaces (half duplex, HIKVISION)
	1 RS-232 interface
Alarm	4 input interfaces, 6 output interfaces
On-board storage	Built-in microSD/TF card, up to 128 GB
BNC	CVBS analog output (4CIF resolution), internal
Reset Button	Supported
GPS	Optional
General	
Operating System	Linux
Operating Conditions	Temperature: -40 °C to +60 °C (-40 °F to +140 °F) Humidity: 95% or less (non-condensing)
Power Supply	24 VDC ± 20%/100 to 240 VAC
Protection Level	IP66
Heater	Supported
Material	Aluminum alloy
Dimensions	With package: 175.68 × 137.5 × 443.99 mm
Weight	Camera: approx. 6.5 ± 0.5 kg (14.3 ± 1.1 lb)
Power Consumption	< 30 W
Country of Origin	UAE



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