ZK-LPR Totem

Waterproof License Plate Recognition Totem



ZK-LPR Totem is a waterproof license plate recognition totem for ZK-LPR Car ID, a highperformance camera BL-852Q38A-LP with embedded LPR software. The LPR totem is designed to install an optional C3 access controller, as well as any third-party device, to enable access links between the camera and the security system.

The embedded LPR software in ZK-LPR Car ID executes a license plate recognition algorithm inside the camera for ease of use in access control, tolling and weighing scenarios. The License Plate Recognition engine can identify license plates from over 80 countries around the world.

ZK-LPR Car ID is the next step in ZKTeco's access control system technology for efficient and simple vehicle access management, delivering, faster & easier set-up and allowing customers to achieve high performance with lower installation, maintenance and off-site programming costs.

ZK-LPR Car ID with ZK-LPR Totem, is the ideal solution for outdoor vehicle access management, advanced license plate recognition and entrance control.

ZK-LPR Car ID is fully integrated into ZKBioSecurity Platform (parking module) for an integral and complete solution.



Allows integration with server / cloud based solutions



OCR conversion directly in the camera



LPR software embedded in the camera



Supports 3rd party integration (Milestone and Lenel)

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Access lists for multiple events configuration



Identifies plates from more than 80 countries



Scalable solution with primary / secondary cameras



Stainless steel waterproof for outdoor installation





Live View

ZK-LPR Car ID allows real-time monitoring of alphanumeric license plates captured by the camera, issuing reports with plate recognition data. Optimized memory storage available.

Monitor and review license plate recognition history data

The licences plate recognition history data can be stored for retrieval and review. Different filters can be enabled for this purpuse, such as: Date, time, country of origin.

From date	21/02/2020 00:00:0	10	Ċ.		Plate				
To date	21/02/2020 23:59:5	9			List		all plates		
Search					First page	<< Before	Next >>	Last page	Export
			5	Pag. 1/211			Q Sear	ch	
ID	Time(ms)	Plate	Lane	Conf.	Country	List Ir	nage	Image	
61146	11:14:53.151 21/02/2020	4860FYS		99.90	Spain	8	860 FYS	LPR	
61147	11:15:18.263 21/02/2020	8949GYP		99.90	Spain	1	3949 GYF	LPR	
61148	11:15:27.177 21/02/2020	0432DDN		85.01	Spain	13	3432 DDA	+ LPR	
61149	11:15:30.012 21/02/2020	48978KL		99.90	Spain	2	4897 BKL	LPR	
61150	11:15:42.473 21/02/2020	4694FXM		98.91	Spain		594 FXN	A LPR	

			+ b	
D Name				
-2 sliplates				
-1 notisitat				
1 BLACKLST 2 WHITLUST				
 List of the license plate 				
 Lat or the science pake 	ic whiterist (3)		Action type	
Rate	Description	Insert Exte	MILESTONE	
7527575	test	12/92/9929 0847/12		
SESSION	other	11/02/0020 12:05:32	Socket client	
4053/87	my plate	11/02/0020 12/05/13		
Action for the list: WHIT			Socket server	
0 0	FELIST (2) Serviction		ю	
0 0	TELIST (2) Securition		IO FTP	
3.5	FELIST (2) Serviction		ю FTP HTTP	
0 0	FELIST (2) Serviction		ю FTP HTTP MILESTONE	
0 0	FELIST (2) Serviction		IO FTP HTTP MILESTONE Trigger server	

Configure lists and linkage actions

The system allows to create an unlimited number of event lists and assign different actions like, for example, opening/closing barriers sending a signal via HTTP or simple integrations with 3rd party companies like Milestone or Lenel. All linkages can be activated by limited time periods and lists can be exported or imported from other devices.

LPR Configuration

The system supports plate detection from different regions and countries. Country license plate detection is configurable as well as the performance of the camera according to the environment.

Main			
Events			Restart se
Setup Advanced Setup			
Debug	Region:	Europe	
	Countries	Spain H Portugal H France H	
	Function mode:	TREGER FREERLOW MOTIONDETECTION	
	Resolution:	 1280x720 1920x1080 	
	Show ROI		
	Show lanes		
	Expert Options		
	Trigger options		
	FreeFlow/Motion options		

ZKTeco	2		E: 🟥 6		i 🖲 🔅	}		
®	Time From 2020	-08-12 00:00:00 To 2020	11-12 23 59 59 Dente h	terre) P	ate .	9.0		
	The current query	conditiona Time From (2020-)	08-12 00:00:00) Ta (2020-11-12	23 59 50)				
**	() Rebesh ()	Clear All Data						
ered.	Pate	Time	Device Name	List Name	Late	Confidence	Country	Photo
	COTMESF	2020-15-12-09-11-31	LPR-Demo	not in Ref.		84.82	fpan	
	C073685F	2020-11-12 09-00-46	LPR-Demo	not in lat		90.71	Span	-
	COTIMAN	2020-11-12 09:06:34	LPR-Demo	not in lat		93.96	Span	
	C073685F	2020-11-12 09:04:23	LPH-Demo	not in lat		95.66	Spain	
Record	C073685F	2020-11-11 16:53-16	LPR-Demo	not in ket		\$3.66	Spain	2
	C073685F	2820-11-11 16:53:02	LPR-Demo	not in lat		91.00	Spain	
	C073685#	2020-11-11 10:51:00	LPR-Demo	not in lat		96.73	Spain	
	COTMESF	2020-11-11 10:49:40	LPR-Demo	nut in lat		97.10	Spain	
	COTMENT	2020-11-11 10.45 06	LPR-Demo	not in Ref.		96.43	Spain	
	COTINESF	2820-11-11 16:45:03	LPH-Demo	not in fait		96.46	Span	-
	COTHESE	2020-11-11 10:44:33	LPR-Demo	expt in last		96.59	Spain	
	C073685F	2020-11-11 10:42:54	LPR-Demo	not in list		93.53	Spain	-
	C073685F	2020-11-11 10:43:50	LPR-Demo	not in lat		93.29	Spain	-
	C073685F	2820-11-11 18.43.05	LPR-Demo	not in lot		96.22	Spain	
	COTHESE	2020-11-11 10 43 02	LP19-Demo	not in list		92.12	Spain	
	Contractor	30030, 02, 02, 02, 00, 00, 00,	1 DB Commo	and in fast		44.43	-	

ZKBioSecurity module

ZK-LPR Car ID is fully integrated into ZKBioSecurity "All in One" web based security platform (parking module) for an integral and complete solution.

* Optional

System elements



Recognition features

- High Recognition Accuracy
- Recognition of 2-line vehicle plates
- Duplicated license plate filtering
- Access Control Linkage with ZKTeco Parking barriers
- LPR from vehicles in movement (up to 20 km/h) or stopped (Stop & Go).



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Supported Countries

Spain Portugal France Italy United	Netherlands Estonia Bosnia and Herzegovina Romania	Austria Slovenia Hungary Czech Republic	Brazil Argentina Mexico Ecuador Venezuela	Costa Rica Dominican Republic Honduras Nicaragua	Vietnam Indonesia Philippines Malaysia Singapore	Abu Dhabi Dubai Azerbaijan Kuwait Qatar	Nigeria Uganda Burkina Faso Tanzania Kenya
Kingdom Greece	Belgium Norway	Belarus Ukraine	Peru El Salvador	Bermuda Trinidad and	Israel Lebanon	Saudi Arabia Oman	Botswana Ghana
Ireland (ROI)	Denmark	Croatia	Bolivia	Tobago	Hong-Kong	South Africa	Cameroon
Germany	Sweden	Lithuania	Uruguay	Barbados	Macau	Morocco	EEUU
Andorra	Finland	Latvia	Guatemala	Jamaica	India	Tunisia	Canada
Poland	Gibraltar	Chile	Panama	Russia	Taiwan	Angola	Australia
Bulgaria	Switzerland	Colombia	Paraguay	Turkey	Bahrain	Senegal	New Zealand



Specifications

	C	amera	
Model	BL-852Q38A-LP	Flash	512 Mb
Image Sensor	1/2.8" Sony STAVIS CMOS	IR LED No.	2 (Smart IR)
Effective Pixels	1920* 1080	IR Distance	50m
Min. Illumination	Color: 0.001Lux@F1.7 (AGC ON)	S/N Ratio	> 52dB
		Lens	
Lens Type	Motorized	Aperture	F1.7 ~ F3.0
Mount Type	Board-in	FOV	38° ~ 107°
Focal Length	3.35mm ~ 10.05mm	Optical Zoom	3X
	1	/ideo	
Compression	H.265+/H.265/H.264	WDR	TWDR
Resolution	1080P(1920*1080)/1.3MP(1280*960)/720P(1280*720) Q720P(640*360)/CIF(352*288)) Day/Night	Support
Bitrate Control	CBR/VBR	White Balance	Support
Bitrate	H.265+:1536Kbps-7Mbps H.265:1536Kbps-7Mbps H.264:1792Kbps-9Mbps	Defog	Support
	Main Stream:1080P@25fps	Noise Reduction	3D DNR
Multi-Streaming	Sub Stream: Q720P@25fps	Mirror/Flip	Support
	N/A	Corridor Mode	Support
Motion Detection	Support	HLC	Support
Digital Zoom	Support	BLC	N/A
Audio Compression	G7.11u	ROI	4 areas
Privacy Mask	5 areas	Anti-flicker	Support
	Ne	etwork	
Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP	Management Software(VMS)	AntarVis 2.0
Interoperability	ONVIF, SDK, API	Operation System	Windows
Max. Online Users	5	Mobile APP	AntarView Pro
Web Browser	IE/Firefox/Chrome/Safari	P2P Cloud Service	Support
	Ini	terface	
Ethernet	1 RJ-45 port (10/100Mbps)	Reset Button	Support
Audio I/O	1 in / 1 out	Micro-SD Slot	64GB MicroSD card included
Alarm I/O	2 in / 1 out	ANR	Support
RS485	Support	USB	N/A
		eneral	
Power Supply	G PoE (IEEE802.3af), DC 12V±10%	Working Humidity	10% ~ 90%
Power Supply Power	10E (IEEE002.3di), DC 12VI10%		1070 ~ 9070
Power Consumption	< 3W	Working Temperature	-30°C ~ +60 °C
Ingress Protection	IP 67	Net Weight	0.50 kg
Dimensions	247(L)*85(W)*76(H)mm	Gross Weight	0.64 kg
	T	otem	
Environment	Indoor / Outdoor	Protection Level	IP65
Case Dimensions	265 x 225 x 700 mm	Case Material	Stainless steel

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