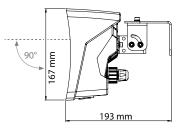
# ADAPTIVE **RECOGNITION**

## Einar – ANPR camera

Model	<b>Einar</b> IR light	<b>Einar W</b> white light	Einar TW white light & Telelens	Einar Super T IR light & Telelens
Version		Gen	2 (2nd generation)	
Imaging				
Maximum resolution (HxV pixels): framerate	8MP; 3840×2160 @ 30 FPS			
Sensor	Color, CMOS			
Day/night switch	Automatic br	ightness control w	ith predefined traffic envir	onments, or manual
Lens (Zoom, Focus and Iris are motorized)	4 – 10 mm 9 – 22 mm 10 – 30		10 – 30 mm	
Angle of View (H×V)	Zoom out: Zoom in:		Zoom out: 46,2° x 27° Zoom in: 19,8° × 11°	Zoom out: 42° x 24,4 Zoom in: 14,6° × 8,2
م Distance ANPR Range			tion, color or b/w), optics (z Cut, All Pass, and Polarized)	
ANPR range	1.5 – 1 [5 – 39		8 – 20 m [26 – 65 feet]	9 – 80 m [30 – 262 feet]
On-Board Intelligence				
OCR	CARMEN* ANPR (ALPR) engine optional			
Vehicle direction detection				
CARMEN® Make and Model, Color Recognition	Optional			
Vehicle categorization Trigger modes	Built-ir		tegories with MMR	ria IP) GPIO
GUI	Built-in video analytics, External software trigger (via IP), GPIO Event-based search, playback, pre-settings			
Integrated applications			arkIT, CARMEN <sup>®</sup> Cloud	<u> </u>
Illumination		Additional Al	-based features can be en	abled for selected proje
		:	•	
Wavelength	850 nm (infrared)	visible white light	visible white light	850 nm (infrared)
Wavelength Mode	850 nm (infrared)	white light	white light continuous	850 nm (infrared)
Mode	850 nm (infrared)	white light Any	white light	; e, 760nm IR, 850nm IR, e
	850 nm (infrared)	white light Any even mixed with o	white light continuous required wavelength (white	; e, 760nm IR, 850nm IR, e
Mode Processing & I/O	850 nm (infrared)	white light Any even mixed with 8-core (AF	white light continuous required wavelength (white different beam-angles are o	; e, 760nm IR, 850nm IR, e
Mode Processing & I/O Processing unit	850 nm (infrared)	white light Any even mixed with 8-core (AF	white light continuous required wavelength (whit different beam-angles are c RM 2×2.2GHz + 6x1.8GHz)	; e, 760nm IR, 850nm IR, e
Mode Processing & I/O Processing unit Ethernet port		white light Any even mixed with o 8-core (Af 10 API, NTP, TCP/IPA	white light continuous required wavelength (white different beam-angles are of RM 2×2 2GHz + 6x1.8GHz) D0 Mbit (10/100)	; , 760nm IR, 850nm IR, e Ilso available upon reque TTP,
Mode Processing & I/O Processing unit Ethernet port I/O port		white light Any even mixed with o 8-core (Af 10 API, NTP, TCP/IPA	white light continuous required wavelength (white different beam-angles are of 20 Av2.2.GHz + 6x1.8GHz) 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H	; , 760nm IR, 850nm IR, e Ilso available upon requi
Mode Processing & I/O Processing unit Ethernet port I/O port Communication protocols		white light Any even mixed with o 8-core (Af 10 API, NTP, TCP/IPA	white light continuous required wavelength (white different beam-angles are of 20 Av2.2.GHz + 6x1.8GHz) 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H	; , 760nm IR, 850nm IR, e Ilso available upon requi
Mode Processing & I/O Processing unit Ethernet port I/O port Communication protocols Storage	HTTPs, RTSP, SNM	Any even mixed with o 8-core (Af 8-core (Af 10 API, NTP, TCP/IPA P, ONVIF, MQTT, N	white light continuous required wavelength (white different beam-angles are of 20 Av2.2.GHz + 6x1.8GHz) 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H	2. 760nm IR, 850nm IR, e Ilso available upon reque TTP, Ildt&Bachman, Zatpark 88 GB
Mode Processing & I/O Processing unit Ethernet port I/O port Communication protocols Storage Internal Storage	HTTPs, RTSP, SNM 128 ( 280 0	Any even mixed with o 8-core (Af 8-core (Af 10 API, NTP, TCP/IPA P, ONVIF, MQTT, N	white light continuous required wavelength (white different beam-angles are of 20 Av2.2.GHz + 6x1.8GHz) 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size:	
Mode Processing & I/O Processing unit Ethernet port I/O port Communication protocols Storage Internal Storage SD-card slot	HTTPs, RTSP, SNM 128 ( 280 0	Any even mixed with o 8-core (Af 8-core (Af 10 API, NTP, TCP/IPA P, ONVIF, MQTT, A GB SD card includ 00 (average ever .7 MB, SD-card siz	white light continuous required wavelength (white different beam-angles are of 20 Av2.2.GHz + 6x1.8GHz) 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size:	2. 760nm IR, 850nm IR, e ilso available upon requi TTP, ildt&Bachman, Zatparl 88 GB
Mode Processing & I/O Processing unit Ethernet port I/O port Communication protocols Storage Internal Storage SD-card slot Stored events	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with o 8-core (Af 8-core (Af 10 API, NTP, TCP/IP\ P, ONVIF, MQTT, h GB SD card includ 100 (average ever 7, MB, SD-card si FTP, SFTP der (built in analyt)	white light continuous required wavelength (white lifferent beam-angles are of 20 Abit (10/100) 12-pin GPIO 4, DHCP, DNS, FTP, SFTP, H ACTT, Modbus, Auror, Sche ed, user exchangeable up it number size: te (128 GB)	2. 760nm IR, 850nm IR, e Ilso available upon requination available upon req
Mode Processing & I/O Processing witt Ethernet port I/O port Communication protocols Storage Internal Storage SD-card slot Stored events External storage type	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with o 8-core (Af 8-core (Af 10 API, NTP, TCP/IP\ P, ONVIF, MQTT, h GB SD card includ 100 (average ever 7, MB, SD-card si FTP, SFTP der (built in analyt)	white light continuous required wavelength (white different beam-angles are of 20 Abit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size: re 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig	2. 760nm IR, 850nm IR, e Ilso available upon requi TTP, Ilso Bachman, Zatparl 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing wit Ethernet port I/O port Communication protocols Storage Internal Storage Storad slot Stored events External storage type Trigger source	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with o 8-core (Af 8-core (Af 10 API, NTP, TCP/IP\ P, ONVIF, MQTT, h GB SD card includ 100 (average ever 7, MB, SD-card si FTP, SFTP der (built in analyt)	white light continuous required wavelength (white different beam-angles are of 20 Abit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size: re 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig	2. 760nm IR, 850nm IR, e Ilso available upon requi TTP, Ilso Bachman, Zatparl 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing wit Ethernet port I/O port Communication protocols Storage Internal Storage SD-card slot Stored events External storage type Trigger source Electrical Data	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with a 8-core (Af 8-core (Af 10 API, NTP, TCP/IPA P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card siz FTP, SFTP der (built in analyt Hardware-	white light continuous required wavelength (white lifferent beam-angles are of 20 Abit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size: te: 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port)	2. 760nm IR, 850nm IR, e Ilso available upon requi TTP, Ilso Bachman, Zatparl 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing wit Ethernet port I/O port Communication protocols Storage Internal Storage Storad slot Stored events External storage type Trigger source Electrical Data	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with a 8-core (Af 10 API, NTP, TCP/IP, P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card si FTP, SFTP der (built in analyt Hardware- 5 W typica	white light continuous required wavelength (white different beam-angles are of 20 Abit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AQTT, Modbus, Auror, Sche ed, user exchangeable up it number size: re 128 GB) HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port) PoE+	2. 760nm IR, 850nm IR, e Ilso available upon requi TTP, Ilso Bachman, Zatparl 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing wit Ethernet port I/O port Communication protocols Storage Internal Storage Storage Storad slot Stored events External storage type Trigger source Electrical Data Power requirement Power consumption	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with a 8-core (Af 10 API, NTP, TCP/IP, P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card si FTP, SFTP der (built in analyt Hardware- 5 W typica	white light continuous required wavelength (whit different beam-angles are of 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AQTT, Modbus, Auror, Sche ed, user exchangeable up it number size: re 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port) PoE+ , 22 W max (with heating)	2. 760nm IR, 850nm IR, e Ilso available upon requi TTP, Ilso Bachman, Zatparl 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing wit Ethernet port I/O port Communication protocols Storage Internal Storage SD-card slot Stored events External storage type Trigger source Electrical Data Power requirement Power consumption Connectivity	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with 8-core (Af API, NTP, TCP/IP\ P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card siz FTP, SFTP der (built in analyt Hardware 5 W typica 1 × PoE+ F	white light continuous required wavelength (whit different beam-angles are of 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AQTT, Modbus, Auror, Sche ed, user exchangeable up it number size: re 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port) PoE+ , 22 W max (with heating)	2. 760nm IR, 850nm IR, e ilso available upon requ TTP, ijdt&Bachman, Zatpari 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing wit Ethernet port I/O port Communication protocols Storage Internal Storage Storage Internal Storage Storad slot Stored events External storage type Trigger source Electrical Data Power requirement Power consumption Connectivity Mechanical Data	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with a 8-core (Af aPI, NTP, TCP/IPA P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card siz FTP, SFTP der (built in analyt Hardware S W typica 1 × PoE+ F -40°C -	white light continuous required wavelength (white lifferent beam-angles are of 20 Mbit (10/100) 12-pin GPIO 4, DHCP, DNS, FTP, SFTP, H ACTT, Modbus, Auror, Sche ed, user exchangeable up it number size: re: 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port) PoE+ , 22 W max (with heating) 2/45 connector, 1 × GPIO	2. 760nm IR, 850nm IR, e ilso available upon requ TTP, ijdt&Bachman, Zatpari 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing witt Ethernet port I/O port I/O port Communication protocols Storage Internal Storage Internal Storage Storad slot Stored events External storage type Trigger source Electrical Data Power requirement Power consumption Connectivity Mechanical Data	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with a 8-core (Af API, NTP, TCP/IPA P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card siz FTP, SFTP der (built in analyt Hardware- 5 W typica 1 × PoE+ f -40°C - IP67 (wea	white light continuous required wavelength (white different beam-angles are of 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up at number size: re 128 GB) HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port) PoE+ , 22 W max (with heating) 2045 connector, 1 × GPIO +85°C (-40°F - +185°F)	2. 760nm IR, 850nm IR, e ilso available upon requ TTP, ijdt&Bachman, Zatpari 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing & I/O Processing witt Ethernet port I/O port I/O port Communication protocols Storage Internal Storage Storage Internal Storage Storage Internal Storage type Stored events Eteternal storage type Trigger source Electrical Data Power requirement Power consumption Connectivity Mechanical Data Internal operating temperature Protection Dimensions (H×W×D, without bracket) Weight (without bracket)	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with a 8-core (Af a API, NTP, TCP/IPA P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card siz FTP, SFTP der (built in analyt Hardware- 5 W typica 1 × PoE+ F -40°C - IP67 (wea 167×126×10	white light continuous required wavelength (whit different beam-angles are of 20 Mbit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size: te: 128 GB) .HTTP, HTTPS, GDS, IVS tcs), External Software trig based (trough GPIO port) PoE+ , 22 W max (with heating) 2145 connector, 1 × GPIO +85°C (-40°F – +185°F) ather proof, water tight)	2. 760nm IR, 850nm IR, e Ilso available upon requi TTP, Ilso Bachman, Zatparl 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing & I/O Processing wit Ethernet port I/O port I/O port Communication protocols Storage Internal Storage Storage Internal Storage Storad slot Stored events External storage type Trigger source Electrical Data Power requirement Power consumption Connectivity Mechanical Data Internal operating temperature Protection Dimensions (H×W×D, without bracket)	HTTPs, RTSP, SNM 128 0 280 0 3	white light Any even mixed with a 8-core (Af a API, NTP, TCP/IPA P, ONVIF, MQTT, A GB SD card includ 00 (average ever 7 MB, SD-card siz FTP, SFTP der (built in analyt Hardware- 5 W typica 1 × PoE+ F -40°C - IP67 (wea 167×126×10	white light continuous required wavelength (white lifferent beam-angles are of 20 Abit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size: tre 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port) PoE+ , 22 W max (with heating) RJ45 connector, 1 × GPIO +85°C (-40°F – +185°F) ather proof, water tight)	2. 760nm IR, 850nm IR, e Ilso available upon requi TTP, Ilso Bachman, Zatparl 88 GB to 512 GB External: 280.000 +Internal: 192.500
Mode Processing & I/O Processing & I/O Processing witt Ethernet port I/O port I/O port Communication protocols Storage Internal Storage Storage Internal Storage Storage Internal Storage type Stored events Eteternal storage type Trigger source Electrical Data Power requirement Power consumption Connectivity Mechanical Data Internal operating temperature Protection Dimensions (H×W×D, without bracket) Weight (without bracket)	HTTPs, RTSP, SNM	white light Any even mixed with a 8-core (Af API, NTP, TCP/IPA P, ONVIF, MGTT, A GB SD card includ 00 (average ever 7 MB, SD-card siz FTP, SFTP der (built in analyt Hardware- 5 W typica 1 × PoE+ f -40°C - IP67 (wea 167×126×10	white light continuous required wavelength (white lifferent beam-angles are of 20 Abit (10/100) 12-pin GPIO 4. DHCP, DNS, FTP, SFTP, H AGTT, Modbus, Auror, Sche ed, user exchangeable up th number size: tre 128 GB) .HTTP, HTTPS, GDS, IVS ics), External Software trig based (trough GPIO port) PoE+ , 22 W max (with heating) RJ45 connector, 1 × GPIO +85°C (-40°F – +185°F) ather proof, water tight)	. 760nm IR, 850nm IR, e Ilso available upon requi

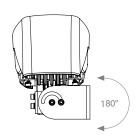
Einar / Einar Super T Einar W / Einar TW infrared light white light











## 3-year warranty Made in EU

Certificate

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### **Technical Datasheet**