

# FreewayCam 3rd Generation - ANPR/LPR CAMERA

Production Code	<b>FreewayCAM HDx</b>	<b>FreewayCAM FHD DUAL</b>
	FreewayCAM-03-6350 (IR850) FreewayCAM-03-6354 (white)	FreewayCAM-03-4362 (IR850)

## Distance range

Optimal ANPR range at ambient light	4 m – 20 m (13 feet – 65 feet)	10 m – 20 m (33 feet – 65 feet)
Maximum ANPR range at optimal conditions	50 m (164 feet)	

## Imaging

Resolution (H x V pixels): framerate	Main sensor: 1440 x 1080: 30FPS 1280 x 720: 60FPS	Main sensor: 2048 x 1536: 20FPS 1920 x 1080: 30FPS Second sensor: 1280 x 960: 54FPS
Function of the second sensor	-	Advanced Vision
Day mode / night mode	Light sensor configurable auto-switching day/night mode, automatic brightness control	
High Dynamic Range mode (HDR)	-	
Lens	11x variable zoom, motorized, programmable presets	Camera 1: 3.3x variable zoom, motorized, programmable presets Camera 2: fixed 16 mm

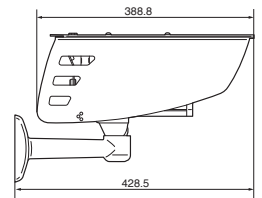


## Illumination

Wavelength	760** nm or 850 nm (infrared) or white	850 nm (infrared)
Illumination modes	Synchronized flash or continuous	

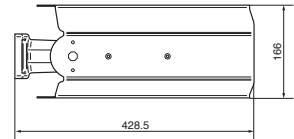
## Processing & I/O

CPU for ANPR	-	
Communication protocols	ARP, ICMP, TCP/IP, DHCP, NTP, FTP, HTTP, SMTP, RTP, SFTP***, HTTPS	
4G / GPS	-	



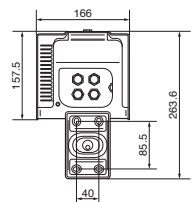
## Electrical data

Power requirement	24-28 V AC	
Power consumption typical	11 W	
Connectivity	Binder M12 circular: Ethernet (8-pin), Power (4-pin), User (8-pin), User (12-pin)	



## On-board intelligence

CARMEN® ANPR	-	
Video Analytics	Detection (VehDet), Motion Detection (MotDet), Virtual Loop Trigger, Private Zones	
Trigger sources	GPIO / UART / Software trigger (controlled via HTTP or HTTPs request)	



## Mechanical data

Operating temperature*	-45 °C – 70 °C (-49 °F – 158 °F)*	
IP & IK rating	IP67 & IK10	
Dimensions (without bracket) length x width x height	390 mm x 167 mm x 155 mm (15.4" x 6.6" x 6.1")	
Weight (without bracket)	4.6 kg / 10.1 lbs	
In the box	Camera with data cable, power cable, bracket, shield (equipped).	

## Radar (optional)

Measurement Principle	Doppler-Radar
Measurement Frequency	24.165 GHz

## Optional accessories

I/O cables, FreewayCAM RAD-AR Trigger, FreewayCAM IR-LIGHT 3, Junction box

Technical specifications are subject to change without prior notice. This document does not constitute an offer.

\* internal temperature / ambient temperature: max. 50 °C / 55 °C (122 °F / 131

\*\* optionally available

\*\*\* only for SmartCam3 models



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