



# NEW PRODUCT BULLETIN

Number 50 - 2022



Housed in an edgy modern design, the THINKWARE F790 Dash Cam captures 1080P
Full HD resolution front and rear. The Advanced Driver Assistance System helps you to stay safe on the roads and the Safety Camera Alerts will prompt you to slow down when approaching a Speed or Red Light Camera. With multiple recording options including Time Lapse and Energy Save Park Modes, this dash cam offers 24/7 protection, even when you're not around.

#### FEATURES



# 2 Channel Recording

records at the front and rear of the vehicle for all round protection



# 1080P Full HD Front & Rear

clear and crisp high definition recording capture the critical details



## **Built-in WiFi Dual Band**

Select between 2.4GHz and 5GHz for the best connectivity experience in different environments



## Advanced Driver Alert System (ADAS)

lane departure (LDWS), forward collision (FCWS), urban forward collision (uFCWS), and front vehicle departure (FVDW)



#### Safety Camera Alert

speed camera, red light camera and mobile speed zone alerts warn you to slow down



# 144° Front / 160° Rear Wide Angle Lens

superb coverage that captures a wide field of view around the vehicle



# Super Night Vision 3.0

enhances low light recordings to produce clear night time footage in driving and parking modes



## **Energy Save & Time Lapse Park Modes**

significantly extends video surveillance recording time while the vehicle is parked



#### **Built-in GPS Data Log**

records GPS data and provides accurate location, vehicle speed and driving history on video playback



### Includes a 32GB Micro SD

compatible with 16GB to 128GB Micro SD cards with a UHS-1 speed rating





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#### INCLUSIONS















DASH CAM

MOUNTING CRADLE

WIRING HARNESS

REAR CAM

7M REAR CAM CABLE

32GB MICRO SD CARD WITH ADAPTER

QUICK START GUIDE

## SPECIFICATIONS

CPU         AMBARELLA H22 1 GHZ QUAD-CORE CORTEX-A53           RESOLUTION         1080P (FRONT) / 1080P (REAR)           FRAMES PER SECOND         30           CAMERA ANGLE         144* (FRONT-DIAGONAL) / 160* (REAR-DIAGONAL)           IMAGE SENSOR         CMOS 2.1 MEGAPIXEL           DIMENSIONS / WEIGHT         -FRONT (INC BRACKET) '92 X 71.4 X 34.4MM / 169.4G           - FRONT (INC BRACKET) '92 X 71.4 X 34.4MM / 169.4G         -REAR. 61.06 X 32.8 X 27.6MM / 90G           VIDEO ENHANCEMENT TECHNOLOGY         DEWARPING           WIFI         YES (ASE)           GPS         YES           G-SENSOR         YES           USPLAY SCREEN (SIZE)         N/A           SUPER CAPACITOR / BATTERY         YES           HIGH TEMPERATURE         -10°C TO +60°C           STORAGE TEMPERATURE         -10°C TO +60°C           STORAGE TEMPERATURE         -10°C TO +70°C           POWER CONSUMPTION         2CH 4 9W/TCH 3.9W (MEAN)           VOLTAGE DETECTION / CUT OFF         YES           ACCESSORY SOCKET POWER ADAPTOR         NOT INCLUDED           HARD WIRE KIT         NOT INCLUDED           MOUNTING TYPE         ADHESIVE PLUGIN CRADLE           SAFETY CAMERA ALERTS         FIXED SPEED CAMERA           MOBILE SPEED CAMERA         ANOBILE SPEE	CHANNELS	2
FRAMES PER SECOND  CAMERA ANGLE  (AMAGE SENSOR  CMOS 2 1 MEGAPIXEL  -FRONT (INC BRACKET): 92 X 71.4 X 34.4MM / 169.4G  -REAR: 61.06 X 32.8 X 27.6MM / 90G  DEWARPING  HIGH DYNAMIC RANGE (HDR)  SUPPER NIGHT VISION 3.0  VIES  G-SENSOR  VES  G-SENSOR  SUPER CAPACITOR  BISPLAY SCREEN (SIZE)  N/A  SUPER CAPACITOR  BISPLAY SCREEN (SIZE)  N/A  SUPER CAPACITOR  HIGH DYNAMIC RANGE (HDR)  SUPER CAPACITOR  WIFI  VES  G-SENSOR  YES  G-SENSOR  YES  G-SENSOR  VES  G-SENSOR  VES  G-SENSOR  VES  G-SENSOR  SUPER CAPACITOR  HIGH TEMPERATURE PROTECTION  POPERATING FAMPERATURE  -10°C TO +70°C  DOPERATING FAMPERATURE  -20°C TO +70°C  POWER RIPUT  DC 12/24V  POWER CONSUMPTION  VOLTAGE DETECTION / CUT OFF  VES  ACCESSORY SOCKET POWER ADAPTOR  HARD WIRE KIT  MOUNTING TYPE  ADHESIVE PLUGIN CRADLE  FIXED SPEED CAMERA  MOBILE SPEED CAMERA  MOBILE SPEED CAMERA  MOBILE SPEED CAMERA  ADVANCED DRIVER ALERT SYSTEM (ADAS)  LANE DEPARTURE WARNING SYSTEM (LDWS)  URBAN FORWARD COLLISION WARNING SYSTEM (UPCWS  FORWARD COLLISION WARNING SYSTEM (FCWS)  FORM TO AMENING SYSTEM (FCWS)  FRONT VEHICLE WARNING SYSTEM (FCWS)  FORM TO AMENING SYSTEM (FCWS)  FORM TO	CPU	AMBARELLA H22 1GHZ QUAD-CORE CORTEX-A53
FRAMES PER SECOND  CAMERA ANGLE  144* (FRONT-DIAGONAL) / 160* (REAR-DIAGONAL)  IMAGE SENSOR  CMOS 2.1 MEGAPIXEL  -FRONT (INC BRACKET). 92.X 71.4 X 34.4MM / 169.4G  -REAR: 61.06 X 32.8 X 27.6MM / 90G  DEWARPING  HIGH DYNAMIC RANGE (HDR)  SUPER NIGHT VISION 3.0  WIFI  YES (2.4GH.Z / 5GH.Z)  GPS  YES  G-SENSOR  YES  G-SENSOR  UPER CAPACITOR / BATTERY  SUPER CAPACITOR  STORAGE TEMPERATURE  -10°C TO +60°C  STORAGE TEMPERATURE  -20°C TO +70°C  POWER RIPUT  DC 12/24V  POWDER CONSUMPTION  VOLTAGE DETECTION / CUT OFF  YES  ACCESSORY SOCKET POWER ADAPTOR  HARD WIRE KIT  REAR CAMERA CABLE LENGTH  MOUNTING TYPE  ADHESIVE PLUGIN CRADLE  FIXED SPEED CAMERA  MOBILE SPEED CAMERA  ANDRILE S	RESOLUTION	1080P (FRONT) / 1080P (REAR)
IMAGE SENSOR DIMENSIONS / WEIGHT - FRONT (INIC BRACKET): 92 X 71.4 X 34.4MM / 169.4G - REAR: 61.06 X 32.8 X 27.6MM / 90G  VIDEO ENHANCEMENT TECHNOLOGY DEWARPING HIGH DYNAMIC RANGE (HDR) SUPER NIGHT VISION 3.0  WIFI - YES (2.4GHZ / 5GHZ) GPS - YES G-SENSOR - YES DISPLAY SCREEN (SIZE) N/A SUPER CAPACITOR / BATTERY SUPER CAPACITOR HIGH TEMPERATURE PROTECTION OPERATING TEMPERATURE - 10°C TO +60°C STORAGE TEMPERATURE - 20°C TO +70°C POWER INPUT - DC 12/24V POWER CONSUMPTION VOLTAGE DETECTION / CUT OFF ACCESSORY SOCKET POWER ADAPTOR HARD WIRE KIT REAR CAMERA CABLE LENGTH MOUNTING TYPE SAFETY CAMERA ALERTS FIXED SPEED CAMERA MOBILE SPEED CAMERA MOBILE SPEED CAMERA ADVANCED DRIVER ALERT SYSTEM (ADAS) LANE DEPARTURE WARNING SYSTEM (LDWS) LANE DEPARTURE WARNING SYSTEM (FCWS) FRONT VEHICLE WARNING SYSTEM (FVDW)  RECORDING MODES  RECORDING MODES  RECORDING MODES  VEACURED  VIDEO FORMAT  MP4 VIDEO CODEC H 2-6A AUDIO (ODDEC MEMORY CARD SYSTEM SYSTEM (ADAS) LY SARS SARS SARS SARS SARS SARS SARS SAR	FRAMES PER SECOND	
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- REAR: 61.06 X 32.8 X 27.6MM / 90G  DEWARPING HIGH DYNAMIC RANGE (HDR) SUPER NIGHT VISION 3.0  WIFI YES (2.4GHZ / 5GHZ) GPS YES  G-SENSOR PYES JUPER CAPACITOR JUPER CAPACITO	IMAGE SENSOR	
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POWER CONSUMPTION 2CH 4.9W/1CH 3.9W (MEAN)  VOLTAGE DETECTION / CUT OFF YES  ACCESSORY SOCKET POWER ADAPTOR NOT INCLUDED  HARD WIRE KIT INCLUDED  REAR CAMERA CABLE LENGTH 7M  MOUNTING TYPE ADHESIVE PLUGIN CRADLE  SAFETY CAMERA ALERTS FIXED SPEED CAMERA  MOBILE SPEED CAMERA ZONE  AVERAGE SPEED ZONE  RED LIGHT CAMERA  ADVANCED DRIVER ALERT SYSTEM (ADAS)  LANE DEPARTURE WARNING SYSTEM (LDWS)  URBAN FORWARD COLLISION WARNING SYSTEM (FCWS)  FRONT VEHICLE WARNING SYSTEM (FCWS)  FRONT VEHICLE WARNING SYSTEM (FVDW)  RECORDING MODES  CONTINUOUS LOOP  IMPACT/INCIDENT  MANUAL  PARK MOTION DETECT**  PARK IMPACT/INCIDENT**  PARK IMPACT/INCIDENT**  PARK IMPACT/INCIDENT**  PARK ENERGY SAVE**  AUDIO/VOICE  VIDEO FORMAT  VIDEO CODEC  H.265  AUDIO CODEC  MEMORY CARD  SUPPORTS UP TO 128GB  WARRANTY  2 YEARS ON CAMERA HARDWARE,  12 MONTHS ON MICRO SD	STORAGE TEMPERATURE	-20°C TO +70°C
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HARD WIRE KIT  REAR CAMERA CABLE LENGTH  ROUNTING TYPE  ADHESIVE PLUGIN CRADLE  SAFETY CAMERA ALERTS  FIXED SPEED CAMERA MOBILE SPEED CAMERA MOBILE SPEED CONE RED LIGHT CAMERA  ADVANCED DRIVER ALERT SYSTEM (ADAS)  LANE DEPARTURE WARNING SYSTEM (LDWS) URBAN FORWARD COLLISION WARNING SYSTEM (UFCWS) FOORWARD COLLISION WARNING SYSTEM (FCWS) FRONT VEHICLE WARNING SYSTEM (FVDW)  RECORDING MODES  CONTINUOUS LOOP IMPACT/INCIDENT MANUAL PARK MOTION DETECT** PARK IMPACT/INCIDENT** PARK TIME LAPSE** PARK ENERGY SAVE** AUDIO/VOICE  VIDEO FORMAT  VIDEO CODEC  AUDIO CODEC  AUDIO CODEC  MEMORY CARD  32GB UHS-1 INCLUDED, SUPPORTS UP TO 128GB  WARRANTY  2 YEARS ON CAMERA HARDWARE, 12 MONTHS ON MICRO SD	VOLTAGE DETECTION / CUT OFF	TATALAN TATALA
REAR CAMERA CABLE LENGTH MOUNTING TYPE ADHESIVE PLUGIN CRADLE SAFETY CAMERA ALERTS FIXED SPEED CAMERA MOBILE SPEED CAMERA CONE AVERAGE SPEED ZONE RED LIGHT CAMERA  ADVANCED DRIVER ALERT SYSTEM (ADAS)  ADVANCED DRIVER ALERT SYSTEM (ADAS)  RECORDING MODES CONTINUOUS LOOP IMPACT/INCIDENT MANUAL PARK MOTION DETECT** PARK IMPACT/INCIDENT** PARK ENERGY SAVE** AUDIO/VOICE  VIDEO FORMAT VIDEO CODEC AUDIO CO	ACCESSORY SOCKET POWER ADAPTOR	NOT INCLUDED
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SAFETY CAMERA ALERTS  FIXED SPEED CAMERA  MOBILE SPEED CAMERA ZONE  AVERAGE SPEED ZONE  RED LIGHT CAMERA  ADVANCED DRIVER ALERT SYSTEM (ADAS)  LANE DEPARTURE WARNING SYSTEM (LDWS)  URBAN FORWARD COLLISION WARNING SYSTEM (UFCWS)  FORWARD COLLISION WARNING SYSTEM (FCWS)  FRONT VEHICLE WARNING SYSTEM (FVDW)  RECORDING MODES  CONTINUOUS LOOP  IMPACT/INCIDENT  MANUAL  PARK MOTION DETECT**  PARK IMPACT/INCIDENT**  PARK IMPACT/INCIDENT**  PARK ENERGY SAVE**  AUDIO/VOICE  VIDEO FORMAT  VIDEO CODEC  H.265  AUDIO CODEC  HE-AAC  MEMORY CARD  32GB UHS-1 INCLUDED,  SUPPORTS UP TO 128GB  WARRANTY  PARS ON CAMERA HARDWARE,  12 MONTHS ON MICRO SD	REAR CAMERA CABLE LENGTH	7M
SAFETY CAMERA ALERTS  FIXED SPEED CAMERA  MOBILE SPEED CAMERA ZONE  AVERAGE SPEED ZONE  RED LIGHT CAMERA  ADVANCED DRIVER ALERT SYSTEM (ADAS)  LANE DEPARTURE WARNING SYSTEM (LDWS)  URBAN FORWARD COLLISION WARNING SYSTEM (FCWS)  FORWARD COLLISION WARNING SYSTEM (FCWS)  FRONT VEHICLE WARNING SYSTEM (FVDW)  RECORDING MODES  CONTINUOUS LOOP  IMPACT/INCIDENT  MANUAL  PARK MOTION DETECT**  PARK IMPACT/INCIDENT**  PARK IMPACT/INCIDENT**  PARK ENERGY SAVE**  AUDIO/VOICE  VIDEO FORMAT  VIDEO CODEC  H.265  AUDIO CODEC  HE-AAC  MEMORY CARD  32GB UHS-1 INCLUDED,  SUPPORTS UP TO 128GB  WARRANTY  PARS MOTION DITECT **  PARS MOTION DETECT**  PAR	MOUNTING TYPE	ADHESIVE PLUGIN CRADLE
URBAN FORWARD COLLISION WARNING SYSTEM (UFCWS) FORWARD COLLISION WARNING SYSTEM (FCWS) FRONT VEHICLE WARNING SYSTEM (FVDW)  CONTINUOUS LOOP IMPACT/INCIDENT MANUAL PARK MOTION DETECT** PARK IMPACT/INCIDENT** PARK TIME LAPSE** PARK ENERGY SAVE** AUDIO/VOICE  VIDEO FORMAT VIDEO CODEC H 265 AUDIO CODEC HE-AAC MEMORY CARD 32GB UHS-1 INCLUDED, SUPPORTS UP TO 128GB  WARRANTY 2 YEARS ON CAMERA HARDWARE, 12 MONTHS ON MICRO SD	SAFETY CAMERA ALERTS	FIXED SPEED CAMERA MOBILE SPEED CAMERA ZONE AVERAGE SPEED ZONE
IMPACT/INCIDENT  MANUAL  PARK MOTION DETECT**  PARK IMPACT/INCIDENT**  PARK TIME LAPSE**  PARK ENERGY SAVE**  AUDIO/VOICE  VIDEO FORMAT  VIDEO CODEC  H.265  AUDIO CODEC  HE-AAC  MEMORY CARD  32GB UHS-1 INCLUDED,  SUPPORTS UP TO 128GB  WARRANTY  2 YEARS ON CAMERA HARDWARE,  12 MONTHS ON MICRO SD	ADVANCED DRIVER ALERT SYSTEM (ADAS)	URBAN FORWARD COLLISION WARNING SYSTEM (UFCWS) FORWARD COLLISION WARNING SYSTEM (FCWS)
VIDEO CODEC         H.265           AUDIO CODEC         HE-AAC           MEMORY CARD         32GB UHS-1 INCLUDED, SUPPORTS UP TO 128GB           WARRANTY         2 YEARS ON CAMERA HARDWARE, 12 MONTHS ON MICRO SD	RECORDING MODES	CONTINUOUS LOOP IMPACT/INCIDENT MANUAL PARK MOTION DETECT** PARK IMPACT/INCIDENT** PARK TIME LAPSE** PARK ENERGY SAVE**
AUDIO CODEC         HE-AAC           MEMORY CARD         32GB UHS-1 INCLUDED,           SUPPORTS UP TO 128GB           WARRANTY         2 YEARS ON CAMERA HARDWARE,           12 MONTHS ON MICRO SD	VIDEO FORMAT	MP4
MEMORY CARD  32GB UHS-1 INCLUDED, SUPPORTS UP TO 128GB  WARRANTY  2 YEARS ON CAMERA HARDWARE, 12 MONTHS ON MICRO SD	VIDEO CODEC	H.265
SUPPORTS UP TO 128GB  WARRANTY  2 YEARS ON CAMERA HARDWARE, 12 MONTHS ON MICRO SD	AUDIO CODEC	HE-AAC
12 MONTHS ON MICRO SD	MEMORY CARD	[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
COUNTRY OF MANUFACTURE SOUTH KOREA	WARRANTY	
	COUNTRY OF MANUFACTURE	SOUTH KOREA

RECORD BUTTON
FORMAT BUTTON
WIFI CONNECTION BUTTON
VOICE RECORDING
BUTTON
POWER
BUTTON

WIFI RECEIVER LED

SPEAKER
GPS RECEIVER LED





<sup>\*\*</sup> Dash cam must be hard wired to the vehicle to enable parking mode features.