DRIVER STATUS MONITOR FUNCTIONAL

NEW PRODUCT

PRO MODEL

3 YEARS QUALITY GUARANTEE

BF-DSM-F

Fatigue Driving Behavior Warning Timely and Accurate

The Compact Appearance Is Specially Designed For Commercial Vehicles

Key Feature

► BF-DSM-F features concise, detecting driver fatigue state and remind driver careless driving

► The driver state detection precision, the accuracy of alarm is close to 99%

► The product is designed with a smooth appearance structure to protect the driver

► This product normal working conditions are not affected by external light source

► It can work in the vast majority of private cars, and adapt to most climatic conditions

► Easy to install in vehicle, it only need make the product look up to driver face

Features

FATIGUE DRIVING

Fatigue Driving Warning
FDW

Fatigue Driving Warning

BF-DSM-F monitors the driver's facial state, mouth and eyes in real time

The product timely reminds drivers to stop and rest when they are tired

BF-DSM-F makes a serial urgent voice when the driver in the different tired

The urgent voice is increase alarm level according to different fatigue state

CARELESS DRIVING

Careless Driving Warning
CDW

Careless Driving Warning

BF-DSM-F continued to monitor the steering movement of driver's head

The product warns drivers as they continue to keep their eyes off the road

BF-DSM-F makes a serial voice when the driver always glance right and left

This function helps more than half of drivers have a habit of careless driving

Application:

BF-DSM-F surveillance for commercial vehicle:
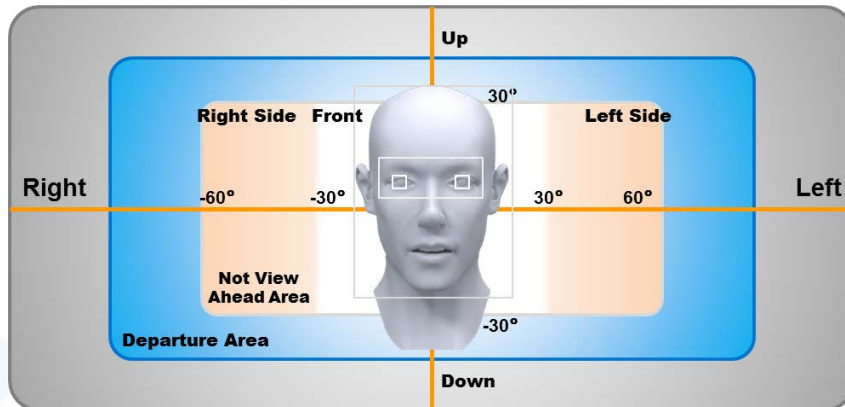
Installation Position

45~95CM

Recommended installation position: above the instrument panel, the central position of the steering wheel

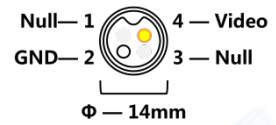Installation distance: Max95cm (recommended distance: 45cm~95cm)

► Determine the installation location and remove foreign objects;

► Composite host and bracket;

► Open the bottom double-side adhesive sticker and paste in the right position of the bridge;

► Connect the power;

► Adjust the camera lens position so that it can effectively identify the driver's view.

In the case of navigation, connect the AV line to the host AV port and the navigation AV port and adjust according to the driver's face that appears in the navigation screen
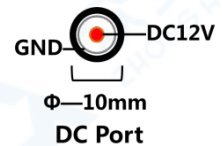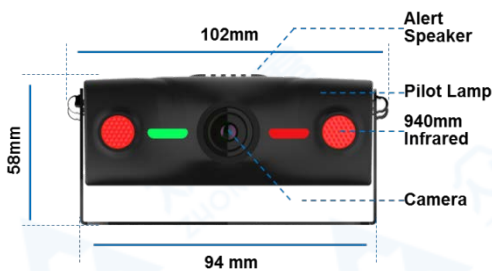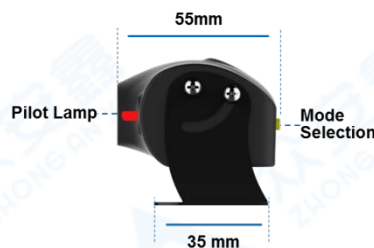
Identification

Up

30°

Right Side   Front   Left Side

Right

-60°   -30°   30°   60°   Left

Not View
Ahead Area

Departure Area

-30°

Down

Interface Drawing

Null— 1   4 — Video
GND— 2   3 — Null

Φ — 14mm

Video Out

GND —— DC12V

Φ—10mm

DC Port

Product Size

Mainframe Size   **Mainframe Flank Face**

Alert
Speaker

102mm

Pilot Lamp

940mm
Infrared

58mm

Camera

94 mm

Pilot Lamp

55mm

Mode
Selection

35 mm

BROWN — +5V
PURPLE — UTX
GRAY   — URX
BLACK — GND

GPS Port

BLUE   — UART TX
ORANGE — UART RX
GREEN — ALARM OUT
BREEN/WHITE — GND
BLUE/WHITE — GND

5 Alone Port

Specification

Item	Parameter	Performance
Name	**Module**	**BF-DSM-F**
Video	Sensor	1/3" CMOS 940nm IR sensor
	Effective Pixels	CVBS 700TVL (PAL:720×576; NTSC:720×480)
	Signal Standard	Voltage:1.0Vp-p, Input / Output Impedance: 75Ω
	Video Standard	PAL Mode, NTSC Mode, Before factory selected
	Image Transfer Rate	25 Frame / Sec PAL, 30 Frame / Sec NTSC
	Low Light Sensitivity	best-in-class of 4500 mV / Lux-Sec
	Infrared LED	940nm far-infrared invisible light
	View Angle	Horizontal 60degree, Vertical 30degree
Warning and Reminding	System Base	Vehicle start displacement / Vehicle launch by the engine start
	Fatigue Driving Warning	A series alert sound, A series alert whistles, A series alert bell
	Careless Driving Warning	A series alert sound, A series alert whistles
Indicator Light	Middle LED On Red	The left Red LED on when there have detected the driver
	Middle LED On Green	The right Green LED on when BF-CB1 have calibrated of driver face success
Interface	Power	DC 12V, Protect the vehicle battery, Max power requirements: 4.0 Watt
	Video	Aviation interface, Voltage:1.0Vp-p, Input / Output Impedance:75 Ω
	Audio	Output Impedance:8Ω / Power 1W
	Serial Port	1Ch:Serial port / UART (TX+, RX-)
	Alarm Output	1Ch: Alarm output, output is high level 5V when the alarm output
	GPS	1Ch:GPS vehicle speed detector device
Installation	Installation Site	Above the instrument panel, the central position of the steering wheel
	Installation Distance	Max95cm (The recommended range is 45~95cm)
	Working Distance	From camera to driver face distance best is 45cm~95cm
Size & Weight	Mainframe Size	L×W×H: 52×98×48 mm
	Package Size	L×W×H: 120×160×60 mm
	Mainframe Weight	305g
	Package Weight	750g

Important Notice: Please refer to the product description for detailed parameters. If the product is updated, our company will publish it on our website: www.zaxbefore.com, no more notifications, please forgives us!