DRIVER STATUS MONITOR
FUNCTIONAL

WP-DSM-F

Fatigue Driving Dangerous Behavior Warning Timely and Accurate

The Compact Appearance Is Specially Designed For Commercial Vehicles

Key Feature

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

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

► The face feature locking analysis function can detect the changes, the accuracy of predicting is up to 95%

► The unique image recognition system can avoid the interference of external light sources

► BF-DSM-F has CVBS video output and displays the detection box of facial feature area in real time

► Users can adjust the warning sensitivity and volume according to their driving habits

► The GPS speed detection function ensures that all detection functions are turned off when the vehicle stops

► Rich peripheral equipment interface be connected the steering wheel vibrator, seat vibrator of early warning

Features

Fatigue Driving Warning

WF-DSM-Monitors the driver's facial fatigue status, eyes and mouth in real time

Detection the fatigue status on driver's face, use the audio early warning the driver

According to the degree of fatigue driving danger to strengthen the audio step by step

Careless Driving Warning

WF-DSM-F monitoring the times and angle of driver's head deviation from the front

The driver will be warned if his head continues to deviate from the front road

This feature can help most drivers gradually change their careless driving habits

Driver Departure Warning

WF-DSM-F continue to monitor whether the driver is on driving seat

The driver's body deviates from the position will be warned by the product when driving

It can remind the driver to avoid the accident caused by stooping to pick something up
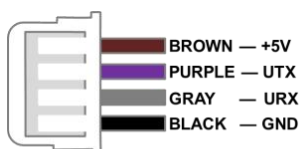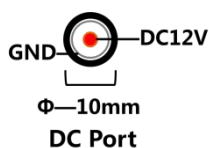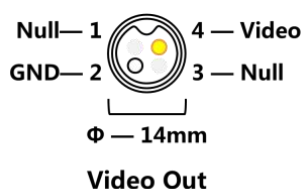
Application:

WF-DSM-F surveillance for commercial vehicle:

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

Installation distance: Maximum linear distance95cm (recommended distance: 45cm~95cm)

►   Determine the installation location and remove foreign objects;

►   Choose the appropriate material (3M adhesiveor screws) to hold the bracket in the predetermined position;

►   Adjust the product until the driver's inverted image in the normal sitting position appears in the lens;

►   5 secondsafter connect the power, the left lightRedshining, the sound is "Da Dong Dang Dong",itready;

►   The left light Green,the sound is "Di Dong", identified and positioned the driver's face is finished, detection start;

►   When the driver is driving, the left light Red, the sound is "Ba~~", it detects fatigue features in drivers;

       Itdetected sustained fatigue in the driver, the left light change Red, the hurrying sound is "Di Da Di Da Di Da";

►   The left light Blue, the sound is "Dong~~ Dong~~", it detected the driver not attention the front road then warning;

►   When the vehicle is moving, the driver out of the detection area, the left light Red, the sound is "Di Da~ Di Da~";

✧   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

✧   The indicator light of the product gives out a weak level of visible light, without effect on the driver's vision and not cause any damage to the driver's eyes.
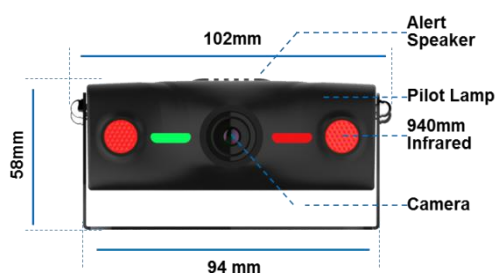
Interface Drawing

Null— 1   4 — Video
GND— 2   3 — Null
Φ — 14mm
Video Out

GND — ⊙ — DC12V
Φ—10mm
DC Port

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

Product Size

Mainframe Size

102mm
Alert Speaker
Pilot Lamp
940mm Infrared
Camera
58mm
94 mm

Mainframe Flank Face

55mm
Pilot Lamp
Mode Selection
35 mm
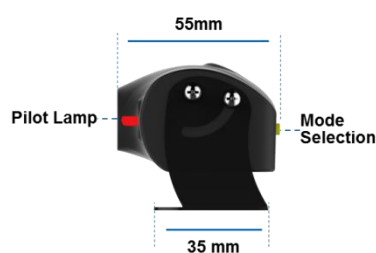
Specification

Item	Parameter	Performance		
Video	Sensor	1/3" CMOS 940nm IR sensor		
	Effective Pixels	CVBS 700TVLBlackWhite Video (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	25Frame / Sec PAL, 30 Frame / Sec NTSC		
	Low Light Sensitivity	best-in-class of 4500mV / Lux-Sec		
	Infrared LED	940nm Far-Infrared Invisible Light, No Harm to The Eyes		
	View Angle	Horizontal 120° View(Detection Area 60°), Vertical 60° View(Detection Area 30°)		
Audio Early Warning	Fatigue Eye Warning	When Driving, Fatigue Eye Over 3 Sec., The Sound Is "Ba~~" Sustained Fatigue Status, Hurrying Sounded Da Di Da Di Da"		
	Head Deviation Warning	The Driver's Head DeviationOver 3 Sec., The Sound Is "Dong~ Dong~"		
	Driver Departure Warning	When Driving,The Driver Departure Over 3 Sec., The Sound Is"Di Da~ Di Da~"		
Indicator Light	Left Green	Working	Right Green	Invisible Light, Unpublished
	Left Red	Early Warning	Right Red	Invisible Light, Unpublished
	Left Blue	Head Deviation	Right Blue	Invisible Light, Unpublished
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:150×150×120 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.szwekop.com,no more notifications, please forgives us!