SMARTWITNESS

DDC-100

Dual-lens Driver Distraction Camera

Facial Recognition Lens

Recognizes facial patterns and alerts drivers who are fatigued or distracted to help avoid accidents

Alarm I/O to trigger recording of the Video Lens on the SmartWitness recorder.

Video Recording Lens
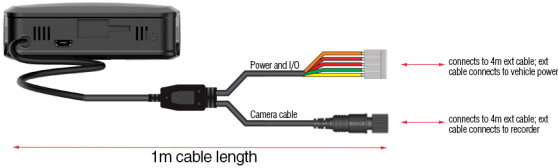
1/3" WDR Sony CMOS sensor

160° Wide Viewing Angle

12 Infrared LEDs for Night-time Recording

5~12V DC power range, video/power can directly connect to all SmartWitness recording systems

1/3" WDR CMOS SENSOR	DAY & NIGHT	DNR DIGITAL NOISE REDUCTION	2.5 mm / 2.8 mm BOARD LENS	DC 5V - 12V

Cables

Power and I/O — connects to 4m ext cable; ext cable connects to vehicle power

Camera cable — connects to 4m ext cable; ext cable connects to recorder

1m cable length

Alert Types

Fatigue			Distraction		
drowsy	micro-sleep	yawning	texting	phone calling	eating/drinking

Alternate Views

Specifications

DDC-100	
Facial Recognition Lens	
Face TYPE	All, +GLASSES
Detection Scope	Face, Eye, Mouth & Head Pose
Working Condition	Day & Night
Working Distance	Naked Eye: 65-105cm (2.1-3.4 feet)
	with glasses: 70-100cm (2.3-3.3 feet)
Fatigue rate	99.2% @naked eyes (97.4%@glasses), 1.5s
Distraction rate	98.2% @all, 3.0s
Alarm type	BUZZ (or MUTE)
Input power	DC12-24V, 1A
Status output	GPIO(FIXED FLY CABLE)
Working temperature	-20°C ~ +70°C
Dimension	102mm x 44mm x 29mm
Weight	Approx. 300g
Video Recording Lens	
Resolution	600 TV-Line (Color)
Image Sensor	1/3" WDR CMOS Sensor
Total Pixels	728(H) x 488(V)
Effective Pixels	720(H) x 480(V)
Scanning System	Progressive
Min. Illumination	1.0 Lux
Video Output	CVBS (NTSC)
Electronic Shutter	Electronic Rolling Shutter
AGC	Auto
White Balance	ATW
DNR	2D
Lens	2.5MM / 2.8MM
Viewing Angle [D / H / V]	162° / 117° / 85°
Input Voltage	DC 5V ~ 12V
Power Consumption	50mA / DC 12V, 110mA / DC 5V
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)
Operating Humidity	Less than 90%

www.smartwitness.com