

XMRDSMDASHCAMPLUS

Specifications



Preface

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Read the Specifications before using the product, to ensure that you will use the product correctly and all necessary functions will work properly.



Warning: conditions that may involve the safety of the device user or injure the device user



Important: conditions that may damage data integrity or firmware or hardware of the device



Note: additional descriptions, explanations of terms, etc.

Abbreviations Explanation

Abbr.	Full Name
DMS	Driver Monitoring System
VBR	Variable Bit Rate
CBR	Constants Bit Rate

Overview

As a built-in AI professional DMS IP camera, it supports driver status monitoring like Phone call detection, Seat belt detection, Fatigue detection, Smoking detection and distraction detection. Provide the audio and visual alerts to remind driver the unsafe driving habits, keep improving the safety of the driver and vehicle.

I. Highlight:

- ◆ Support 1280 × 800 @ 20fps resolution;
- ◆ Support DMS intelligent algorithm localization;
- ◆ Support the exposure of the central area of the face;
- ◆ Support strobe for infrared lamp power adjustment;
- ◆ Support built-in audio input;
- ◆ Support built-in G-sensor to automatically and flexibly adjust the horizontal and vertical changes of the image to adapt to the installation state;
- ◆ Support standard 3 mm lens, effectively solve the problem of driver out of frame

Application scenarios: A-pillar side-mounted in vehicles, windshield-mounted, vertically dashboard-mounted

II. Specifications:

Model	C29N
Imaging Component	1/4"100Mp Global Shutter Sensor"
Effective Pixel	1280(H)x800(V)
Minimum Illuminance	0Lux (infrared light filling)
Shutter Speed	1/30s~1/5000s
Backlight Compensation	Supported (default: Off)
Signal-to-Noise Ratio (S/N)	≥48dB
Lens	3mm M12-type, fixed aperture, F1.7
FOV	3mm HFOV:70°

	VFOV:42° DFOV:85.8°
Video Compression Standard	H.264, H.265
Compression Output Bitrate	512Kbps ~ 3Mbps
Image Resolution	Main stream: 1280 × 800@ 20fps
	Sub stream: VGA 20fps (CIF or D1 (optional)). Default bitrate: 1 Mbps
	Network transmission stream: dynamic (adaptive)
CBR/VBR	Supported
Network Port	10M/100M adaptive Ethernet port
Network Protocol	TCP/IP, HTTP, DHCP, RTSP, NTP, FTP, N9M2.0
Client mode Preview	Built-in WEB Server, supporting IE browser access
Installation Mode	A-pillar side-mounted in vehicles, windshield-mounted, vertically dashboard-mounted
Temperature	-40°C ~ +70°C (-40°F ~ +158°F)
Humidity	0% ~ 90%
Power Supply	PON DC 9 ~ 18V
Waterproof Grade	IP53
Power	Average power consumption: PON < 2.4 W
Dimensions	98mm(L)x30mm(W)x43mm(H)

III. Structure Dimension Demonstration (Unit: mm):



