

DHI-DAE-CFM5211

Front-view Monitoring Camera



- 1/2.8" CMOS image sensor, excellent low luminance performance and high definition of images.
- Outputs 50 Hz (1920 × 1080)@25 fps.
Outputs 60 Hz (1920 × 1080)@30 fps.
- WDR, 3D NR, BLC.
- 9 V–16 V DC, facilitates installation.
- IP54 rated.

The ADAS series adopts wide dynamic range and low luminance, ensuring high image quality under different lighting conditions. Adjustable camera angle suits various vehicle types, and connection with the car-mount terminal realizes early warnings for forward collision, lane departure and headway monitoring.

System Overview

The camera is equipped with true wide dynamic technology, digital wide dynamic technology, and highlight suppression image pre-processing algorithm, which effectively suppresses strong light from headlights at night while improving overall brightness and transparency.

Functions

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (100 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Environmental Application

Dahua cameras operate in extreme environments, rated for use in temperatures from -30 °C to +70 °C with 90% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP54 Ingress Protection rating makes it suitable for demanding outdoor applications.

Scene

The camera is applicable for mounting on vehicles to connect with car-mount terminals, which realizes early warning and safe driving.

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Max. Resolution	1920 (H) × 1080 (V)
Electronic Shutter Speed	NTSC: 1/30 s–1/10,000 s PAL: 1/25 s–1/10,000 s
Minimum Illumination	0.1 lux

Lens

Focal Length	6 mm
Aperture	F2.0
Field of View	H: 56° V: 31°
Iris Control	Fixed

Video

Resolution	1080p (1920 × 1080)
Frame Rate	50 Hz: 1920 × 1080@25 fps 60 Hz: 1920 × 1080@30 fps
BLC	Yes
WDR	100 dB
HLC	Yes
White Balance	Auto
Gain Control	Auto
Noise Reduction	3D NR

Certifications

Certification	CE; FCC
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Electrical

Power Supply	9 V–16 V DC
Power Consumption	< 2 W

Environment

Operating Conditions	–30°C to +70°C (–22°F to +158°F)
Operating Humidity	< 90% (RH) (non-condensing)
Ingress Protection	IP54

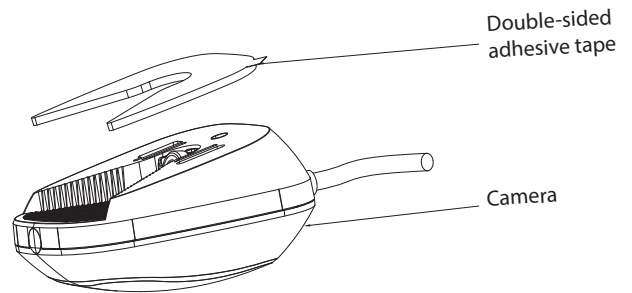
Construction

Package Dimensions	136.0 mm × 121.0 mm × 80.0 mm (5.35" × 4.76" × 3.15")
Product Dimensions	85.5 mm × 63.0 mm × 35.0 mm (3.37" × 2.48" × 1.38")
Net Weight	140.4 g (0.31 lb)
Gross Weight	191.2 g (0.42 lb)
Casing	Plastic

Ordering Information

Type	Part Number	Description
ADAS Camera	DHI-DAE-CFM5211-CYN	Front-view monitoring camera (NTSC) with cable coming out of the top.
	DHI-DAE-CFM5211-CYP	Front-view monitoring camera (PAL) with cable coming out of the top.

Installation



Dimensions (mm[inch])

