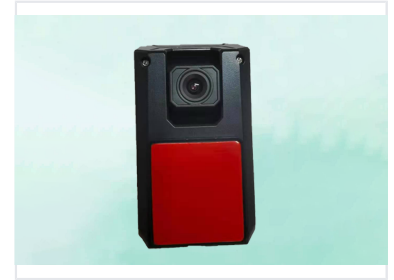


# ADAS Camera for Driver-Assistance Systems

This ADAS camera is designed for advanced driver-assistance systems. It features a high-resolution lens in a durable housing, suitable for automotive or surveillance applications.



## Overview

### Advanced ADAS Camera Solution

The XD-C301 is a high-performance ADAS camera designed for advanced driver-assistance systems, featuring a 2M Pixel CMOS sensor for crisp 1080P imaging. Engineered for automotive environments, it provides reliable visual data with a 60-degree horizontal field of view and high-sensitivity low-light performance. Its robust IP54-rated design and wide operating temperature range ensure consistent operation in diverse driving conditions.

## Imaging Performance

### Sensor & Resolution

**1080 P**

Resolution

**2 MP**

Sensor Pixels

**0.01 Lux**

Min. Illumination

Imaging Device	1/2.9 2M Pixel CMOS
Frame Rate Options	1080P/25fps, 1080P/30fps

## Optical Specifications

### Lens Configuration

Parameter	Specification
Focal Length	6mm
Aperture	F2.0
Horizontal Angle	60°
Vertical Angle	30°

## Signal & Connectivity

### Interface

4-pin air connector

Video Output	AHD 1.0Vp-p/75Ω
Cable Length	2 m

## Electrical & Environmental

IP Code IP54	
Operating Voltage	DC 9 – 16V
Current Consumption	240 mA@12V
Temperature Range	-30°C to 85°C

## Technical Features

<b>Automatic Adjustments</b> <ul style="list-style-type: none"><li>• Auto Electronic Shutter (1/50sec - 1/60sec)</li><li>• Auto White Balance</li><li>• Gamma Correction (0.45)</li></ul>	
Night Vision Effect	Color pictures
Signal-to-Noise Ratio	50 dB