

# MINICube Camera Platform



## General Overview

- Suitable for ADAS and mirror replacement application
- Very small size (20.5mm x 20.5mm x 21.5mm)
- Ultra lightweight (< 10 g excluding lens)
- Adaptable to various types of lenses
- Excellent thermal management performance
- Perfect camera axis alignment.
- Power over coax interface with multiplexed video stream and control channel
- Internal MCU for camera initialization
- Patent Pending

## Camera Platform Variants

IMI Automotive Camera Platforms	Imagers	Optical format	Packaging		ISP			Serializer			Data Output	
			CSP	Bare Die	OV490	AP0100	AP0101	MAX9271	TI913	TI953	Digital	Analog
RDACM10	HM1375	1/4"	<input checked="" type="checkbox"/>	-	-	-	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM12	HM6375		-	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM16	HM0445		<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	-	<input checked="" type="checkbox"/>
RDACM18	AR0132	1/3"	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM19			<input checked="" type="checkbox"/>	-	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM20	OV10635	1/2.7"	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	-
RDACM23			<input checked="" type="checkbox"/>	-	-	-	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM21	OV10640	1/2.56"	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	-
RDACM24			<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM24A			<input checked="" type="checkbox"/>	-	-	-	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM25			-	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-
RDACM28			-	<input checked="" type="checkbox"/>	-	-	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
RDACM29			<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Customization	Options
Lens	DSL215   DSL267   DSL947   MC163   MC288
Interface to ECU	Digital: Direct Connect 2-wire POC (Power over Coax)   Analog: Pigtail 6-wire NTSC with CAN interface
Optical Focus and Alignment	6 Axis Active Alignment / Z-axis Focusing

For more information on the IMI Minicube Camera platform contact us at: [ADAS@global-imi.com](mailto:ADAS@global-imi.com)

