



Rocket Dash Cam

RIOT-H-1010095



SPECIFICATIONS

- 2 Megapixel CMOS image sensor
- 30 fps / 60 fps up to 1080p Full HD resolution
- 4 mm fixed focal lens
- Day & Night with IR LED
- Extreme Low Light Sensitivity
- Extreme Wide Dynamic Range (100 dB)
- M-JPEG/H.264/H.265 Compression
- Built-in Microphone - AAC Compression
- Action Button (Start/Stop Record) with LED Status (Booting/On/Recording)
- Forward Facing LED for 'Record' verification while outside the vehicle
- Waterproof (IP67)
- Vibration Proof
- Operating Temperature: -20°C – 60°C
- Automotive Grade
- SAE-J1455 Certification for Drop, Shock, and Vibration



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TECHNICAL SPECIFICATIONS

GENERAL

Power Source	PoE Class 3 (IEEE 802.3af)
Power Consumption	Maximum 7.84 W
Weight	344g
Dimensions	120mm x 60mm x 49.5mm
Environmental Casing	Weatherproof (IP67), Vibration Proof
Chassis material and color	Aluminum, black
Side Mounting	M4 screw holes for mounting bracket
Rear Mounting	1/4-20 hole for rear ball mount
Starting Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	20% - 80% RH
NDAA H.R. 5515 Compliance	Yes
Approvals & Certificates	FCC (Part15 Subpart B Class A), IP67, CE SAE - J1455 (Vibration, Drop, Shock)

NETWORK

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP
Ethernet Port	One 10/100 Mbps Full Duplex, 1 meter cable with RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user levels





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TECHNICAL SPECIFICATIONS

DEVICE	Product Type	Vehicle Camera
	Maximum Resolution	2MP
	Application Environment	Indoor/Outdoor
	Image Sensor	Progressive Scan CMOS
	Sensor Size	1/2.8 "
	Effective Pixels	1945(H) × 1097 (V), 2.13 MP
	Day / Night	Yes
	Low Light Sensitivity	Extreme
	Minimum Illumination	Color: 0.1 lux at F1.6; B/W 0 lux at F1.6 (IR LED on)
	Color to B/W Switch	ISP based automatic switch, configurable
	Mechanical IR Cut Filter	Yes
	IR Sensitivity Range	700-1150nm
	IR LED	IR LED x 2 (850 nm)
	IR Working Distance	20m

AUDIO	Audio Type	1-way, Built-in Microphone
	Audio Compression	8 kHz, AAC or G.711
	Ambient Noise Filter	Yes





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TECHNICAL SPECIFICATIONS

VIDEO	Compression	H.265, H.264, MJPEG
	Maximum Frame Rate vs. Resolution	60 fps at 1920 x 1080
	Multi-Streaming	Triple Streams: Stream 1 (Main Recording Stream), Stream 2 (Live Stream), Stream 3 (Over-Cellular Stream)
	General Streaming Options	Stream 1, Stream 2 and Stream 3 can be independently configured to have any of the settings below: Compression: H.265, H.264, MJPEG. Resolutions: 1920x1080, 1280x960, 1280x720, 720x480, 640x480, 320x240 Bit Rate in CBR and Cap in VBR: 128K, 256K, 384K, 500K, 750K, 1M, 1.2M, 1.5M, 2M, 2.5M, 3M, 3.5M, 4M, 4.5M, 5M, 5.5M, 6M, 7M, 8M, 9M, 10M, 11M, 12M Frame Rate: 1, 3, 5, 10, 15, 30 fps GOP options in VBR: 0.1 to 5 seconds adjustable
	Bit Rate Mode	Constant, Variable. Adjustable.
	Wide Dynamic Range	Extreme WDR (100 dB)
	Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless
	Digital Noise Reduction	Yes
	Image Orientation	Flip, Mirror

LENS	Focal Length	Fixed focal, f4.0mm
	Aperture	F1.6
	Iris	Fixed iris
	Focus	Fixed focus (adjustable back focus)
	Changeability	Lens is changeable
	Horizontal Viewing Angle	87.5°
	Vertical Viewing Angle	47.6°



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