

Video VBOX Bullet Cameras

- Technical Specifications -

High Resolution Cameras

Description	High Resolution (RLACS134xx)
Image sensor	1/3" Super HAD CCD
Effective pixels	NTSC: 768(H) x 494(V) PAL: 752(H) x 582(V)
Min illumination	0.2 Lux at F2.0
H. resolution	560 TV Lines
Synchronising system	Internal
Scanning system	NTSC, 525 lines, PAL 625 lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Gain control	-1dB~3.1dB Auto
Gamma correction	$\gamma = 0.45$
Shutter speed	NTSC: 1/60 ~ 1/1000,000 sec PAL: 1/50~1/100,000 sec
White balance	Automatic (AWB)
Smear effect	0.005%
MTBF	80,000 hours
Lens standard	3.6mm (92°)
Power source	12VDC (9V~20V)
Operating current	130mA w/regulated 12VDC in
Operating temperature	-10°C ~50°C (14°F – 122°F)
Measurement (mm)	21(D) x 73(L)
Weight (approx. g)	180
IP rating	IP67








Low Resolution Cameras

Description	Low Resolution (RLACS135xx)
Image sensor	1/3" Sony CCD
Effective pixels	NTSC: 510(H) x 492(V) PAL: 500(H) x 582(V)
Min illumination	0.5 Lux
Resolution	420 TV Lines
Synchronising system	Internal
Scanning system	NTSC, 525 lines, 60Field/Sec PAL 625 lines, 50 Field/Sec Interlaced
Video output	1Vp-p 75 Ohms, Negative
S/N ratio	More than 48 dB (AGC Off)
Gamma correction	$\gamma = 0.45$
Shutter speed	NTSC: 1/60 ~ 1/1000,000 sec PAL: 1/50~1/100,000 sec
White balance	Automatic (AWB)
B.L.C	Automatic
Measurement (mm)	20(D) x 77(L)
IP rating	IP67

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Accessories

RLACS116	<p>Camera ring clamp mount</p> <p>Connects to the Video VBOX suction or roll cage mount and allows for greater articulation of the cameras.</p>	
RLACS233	<p>Windscreen suction mount</p> <p>For use with Video VBOX and HD2 cameras.*</p> <p>* RLACS116 is also required to mount the high resolution Video VBOX cameras.</p> <p>* MECH0276 and MECH0275 are also required to mount HD2 cameras.</p>	
DBSUCTIONCUP	<p>Three mounting cradle suction cups</p>	
RLACS260	<p>Roll cage camera mount</p> <p>The roll cage mount has a solid aluminium body, connected to a curved mounting plate that is bolted to the bar via a pair of supplied jubilee clips. The clips are sufficient diameter so that these mounts can be used on an FIA specification roll-cage.</p> <p>See (*) in Windscreen mount.</p>	
MB21HQX-92L	<p>92° lens for high res camera</p> <p>Comes with the high resolution cameras as standard. Allows a wider field of view than the 54° lens.</p>	
MB21HQX-54L	<p>54° lens for high res camera</p> <p>Allows a much narrower field of view than the standard 92° lens.</p>	
MB21HQXGLASS	<p>Glass lens cover for high res camera</p> <p>Replacement glass lens cover for the Video VBOX high resolution cameras.</p>	



All of these items can be purchased from the Video VBOX section of our [online store](#).

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Replacement Camera Kits



Video VBOX Lite

RLACS134	High res camera kit* - PAL	
ACS134	High res camera only - PAL	
RLACS134N	High res camera kit* - NTSC	
ACS134N	High res camera only - NTSC	
RLACS135	Low res camera kit* - PAL	
ACS135	Low res camera only - PAL	
RLACS135N	Low res camera kit* - NTSC	
ACS135N	Low res camera only - NTSC	

Video VBOX Pro

RLACS140	High res camera kit* - PAL	
RLACS140-5	High res camera kit* – PAL - 5 meter cable	
ACS140	High res camera only - PAL	
RLACS140N	High res camera kit* - NTSC	
RLACS140N-5	High res camera kit* – NTSC - 5 meter cable	
ACS140N	High res camera only - NTSC	

Video VBOX Waterproof

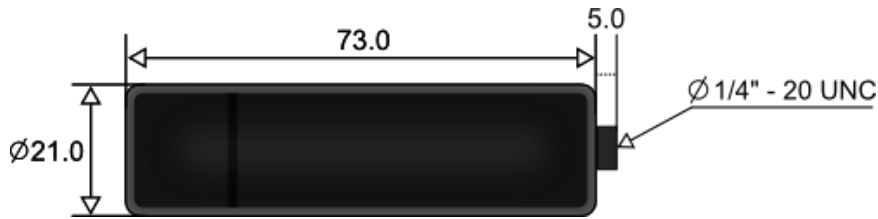
RLACS134H	High res camera kit* - PAL	
ACS134H	High res camera only - PAL	
RLACS134HN	High res camera kit* - NTSC	
ACS134HN	High res camera only - NTSC	
RLACS135H	Low res camera kit* - PAL	
ACS135H	Low res camera only - PAL	
RLACS135HN	Low res camera kit* - NTSC	
ACS135HN	Low res camera only - NTSC	

* Included blue RLACS233 Windscreen Mount, not the one in picture.

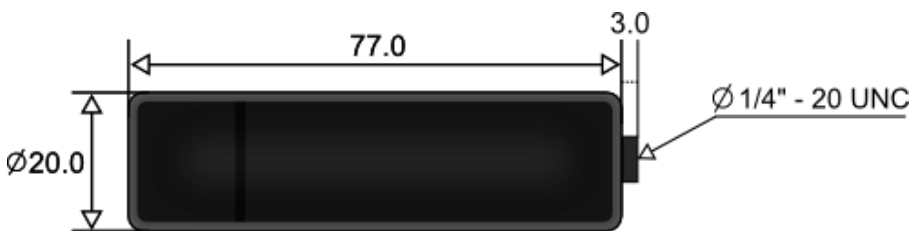
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Dimensions

High Resolution



Low Resolution



Troubleshooting

Problem	Actions
Nothing appears on the screen	<ul style="list-style-type: none"> → Please check the power connection. → Please check the video signal line connection.
The video image is not clear	<ul style="list-style-type: none"> → Please check is the lens and the outer glass is clean – Dirt or fingerprints pm the lens can affect the image blooming or reflecting. Gently wipe away any dirt or fingerprints from the lens or glass with a soft cloth. → Please check if the camera is exposed directly toward a bright light, sunlight, or reflective surface.
The screen is dark	<ul style="list-style-type: none"> → Please check the power supply is within specification.
The cameras surface is hot and black stripes appear on the screen	<ul style="list-style-type: none"> → Please check that the power supply is regulated and within specification.
The screen is flickering	<ul style="list-style-type: none"> → Please check if the camera is facing directly towards sunlight or fluorescent light.

Contact Information

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