## ROADRUNNER™ 360° CAMERA



ON-BOARD VIDEO SECURITY SYSTEM



### **FEATURES**

- 5 MP Resolution (2560 x 2048)
- Vandal and Impact Resistant
- Optional Built-in Microphone
- IR Illumination Supports Low-Light Recording

#### BETTER COVERAGE USING FEWER CAMERAS

The RoadRunner 360° camera provides 5 MP resolution video with exceptional clarity; a wide field-of-view maximizes coverage and eliminate blind spots. Delivering more comprehensive coverage with fewer cameras reduces installation and maintenance costs for transit applications.

#### MULTIPLE LAYOUTS AND VIEWING OPTIONS

Video review is simple with ePTZ, automatic de-warping, split screens and panaoramic viewing modes. The original image is retained to ensure authenticity and maintain chain of custody.



# **ROADRUNNER™ 360° CAMERA**

#### **TECHNICAL DATA**

RRHDC360IR (Audio Model with Microphone)	Order Information	
RR HDC360IR		RR-HDC360IRA (Audio Model with Microphone)
Qperating Voltage	Order Number North America	
Description   10.3 W Max   Interfaces	<b>Electrical Properties</b>	
The properties   The	Operating Voltage	48 V PoE, IEEE 802.3af (Class 3)
Ethernet   1, 10/100 Mbps, RJ-45	Power Consumption	10.3 W Max
Mechanical Properties         0.67 kg, 1.48 lbs           Dimensions         135 mm x 56.9 mm, 5.31" x 2.24"           Environment	Interfaces	
Dimensions   135 mm x 56.9 mm, 5.31* x 2.24*	Ethernet	1, 10/100 Mbps, RJ-45
Dimensions   135 mm x 56.9 mm, 5.31" x 2.24"	<b>Mechanical Properties</b>	
Dimensions   135 mm x 56.9 mm, 5.31" x 2.24"	Weight	0.67 kg, 1.48 lbs
Environment           Operating Temperature         -30°C to 50°C, -22°F to 122°F           Storage Temperature         -40°C to 70°C, -40°F to 158°F           Ingress Protection         IP67           Impact Protection         IIK10           Standards         ****  *******************************		
Storage Temperature	Environment	
Storage Temperature		-30°C to 50°C, -22°F to 122°F
Ingress Protection		
Impact Protection         IK10           Standards         Standards           NDAA         ✓           MIL-STD-810G         ✓           FCC         ✓           CE         ✓           Image         Image Sensor           Field of View         171° Horizontal; 171° Vertical           Resolution         2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256           Frame Rate         Maximum 30 fps           Scanning System         Progressive Scan           IR distance         20 m           Light Sensitivity Black/White         0 Lux @ F1.8 (IR 0N)           Light sensitivity Color         0.11 Lux @ F1.8           Signal-To-Noise Ratio         >50 dB           Dynamic Range         120 dB           Video         Video Compression         H.264, H.265, M-JPEG           Audio (RR-HDC360IRA Only)           Audio Input         1 built-in microphone           Audio Compression         ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law           Mechanics		
Standards           NDAA         ✓           MIL-STD-810G         ✓           FCC         ✓           CE         ✓           Image         Image           Image Sensor         1/1.8" CMOS           Field of View         171° Horizontal; 171° Vertical           Resolution         2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256           Frame Rate         Maximum 30 fps           Scanning System         Progressive Scan           IR distance         20 m           Light Sensitivity Black/White         0 Lux @ F1.8 (IR ON)           Light Sensitivity Color         0.11 Lux @ F1.8           Signal-To-Noise Ratio         >50 dB           Dynamic Range         120 dB           Video         Video           Video Compression         H.264, H.265, M-JPEG           Audio (RR-HDC360IRA Only)         Audio (IR-HDC360IRA Only)           Audio Input         1 built-in microphone           Audio Compression         ADPCM 16 kHz, G.726, G.711 µ-law, G.711 a-law           Mechanics		IK10
MIL-STD-810G FCC CE	Standards	
FCC CE Image  Image Sensor I/1.8" CMOS Field of View 171° Horizontal; 171° Vertical Resolution 2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256 Frame Rate Maximum 30 fps Scanning System Progressive Scan IR distance Light Sensitivity Black/White ULux @ F1.8 (IR ON) Light Sensitivity Color 0.11 Lux @ F1.8 Signal-To-Noise Ratio Dynamic Range 120 dB Video Video Video Compression H.264, H.265, M-JPEG Audio (RR-HDC360IRA Only) Audio Input Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law Mechanics	NDAA	<b>✓</b>
CE✓ImageImage Sensor1/1.8" CMOSField of View171° Horizontal; 171° VerticalResolution2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256Frame RateMaximum 30 fpsScanning SystemProgressive ScanIR distance20 mLight Sensitivity Black/White0 Lux @ F1.8 (IR ON)Light Sensitivity Color0.11 Lux @ F1.8Signal-To-Noise Ratio>50 dBDynamic Range120 dBVideoVideoVideo CompressionH.264, H.265, M-JPEGAudio (RR-HDC360IRA Only)1 built-in microphoneAudio CompressionADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-lawMechanics	MIL-STD-810G	~
Image         1/1.8" CMOS           Field of View         171° Horizontal; 171° Vertical           Resolution         2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256           Frame Rate         Maximum 30 fps           Scanning System         Progressive Scan           IR distance         20 m           Light Sensitivity Black/White         0 Lux @ F1.8 (IR ON)           Light Sensitivity Color         0.11 Lux @ F1.8           Signal-To-Noise Ratio         >50 dB           Dynamic Range         120 dB           Video         Video Compression           Audio (RR-HDC360IRA Only)           Audio Input         1 built-in microphone           Audio Compression         ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law           Mechanics	FCC	✓
Image Sensor         1/1.8" CMOS           Field of View         171° Horizontal; 171° Vertical           Resolution         2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256           Frame Rate         Maximum 30 fps           Scanning System         Progressive Scan           IR distance         20 m           Light Sensitivity Black/White         0 Lux @ F1.8 (IR ON)           Light Sensitivity Color         0.11 Lux @ F1.8           Signal-To-Noise Ratio         >50 dB           Dynamic Range         120 dB           Video         Video           Video Compression         H.264, H.265, M-JPEG           Audio (RR-HDC360IRA Only)           Audio Input         1 built-in microphone           Audio Compression         ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law           Mechanics	CE	✓
Field of View 171° Horizontal; 171° Vertical  Resolution 2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256  Frame Rate Maximum 30 fps  Scanning System Progressive Scan  IR distance 20 m  Light Sensitivity Black/White 0 Lux @ F1.8 (IR ON)  Light Sensitivity Color 0.11 Lux @ F1.8  Signal-To-Noise Ratio >50 dB  Dynamic Range 120 dB  Video  Video Compression H.264, H.265, M-JPEG  Audio (RR-HDC360IRA Only)  Audio Input 1 built-in microphone  Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Image	
Resolution 2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256 Frame Rate Maximum 30 fps Scanning System Progressive Scan IR distance 20 m  Light Sensitivity Black/White 0 Lux @ F1.8 (IR ON)  Light Sensitivity Color 0.11 Lux @ F1.8 Signal-To-Noise Ratio >50 dB Dynamic Range 120 dB  Video  Video Compression H.264, H.265, M-JPEG  Audio (RR-HDC360IRA Only)  Audio Input 1 built-in microphone Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Image Sensor	1/1.8" CMOS
Frame Rate Maximum 30 fps Scanning System Progressive Scan  IR distance 20 m Light Sensitivity Black/White 0 Lux @ F1.8 (IR ON) Light Sensitivity Color 0.11 Lux @ F1.8 Signal-To-Noise Ratio >50 dB Dynamic Range 120 dB  Video Video Video Compression H.264, H.265, M-JPEG  Audio (RR-HDC360IRA Only) Audio Input 1 built-in microphone Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Field of View	171° Horizontal; 171° Vertical
Scanning SystemProgressive ScanIR distance20 mLight Sensitivity Black/White0 Lux @ F1.8 (IR ON)Light Sensitivity Color0.11 Lux @ F1.8Signal-To-Noise Ratio>50 dBDynamic Range120 dBVideoVideo CompressionH.264, H.265, M-JPEGAudio (RR-HDC360IRA Only)Audio Input1 built-in microphoneAudio CompressionADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-lawMechanics	Resolution	2560x2048, 1920x1536, 2560x1024, 1280x1024, 640x512, 640x256
IR distance 20 m  Light Sensitivity Black/White 0 Lux @ F1.8 (IR ON)  Light Sensitivity Color 0.11 Lux @ F1.8  Signal-To-Noise Ratio >50 dB  Dynamic Range 120 dB  Video  Video Compression H.264, H.265, M-JPEG  Audio (RR-HDC360IRA Only)  Audio Input 1 built-in microphone  Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Frame Rate	Maximum 30 fps
Light Sensitivity Black/White  Dux @ F1.8 (IR ON)  O.11 Lux @ F1.8  Signal-To-Noise Ratio  >50 dB  Dynamic Range  120 dB  Video  Video Compression  H.264, H.265, M-JPEG  Audio (RR-HDC360IRA Only)  Audio Input  1 built-in microphone  Audio Compression  ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Scanning System	Progressive Scan
Light Sensitivity Color  Signal-To-Noise Ratio  >50 dB  Dynamic Range  120 dB  Video  Video Compression  Audio (RR-HDC360IRA Only)  Audio Input  Audio Compression  Audio Compression  Audio Compression  Audio Compression  ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	IR distance	20 m
Signal-To-Noise Ratio >50 dB  Dynamic Range 120 dB  Video  Video Compression H.264, H.265, M-JPEG  Audio (RR-HDC360IRA Only)  Audio Input 1 built-in microphone  Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Light Sensitivity Black/White	0 Lux @ F1.8 (IR ON)
Dynamic Range 120 dB  Video  Video Compression H.264, H.265, M-JPEG  Audio (RR-HDC360IRA Only)  Audio Input 1 built-in microphone  Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	· ,	-
VideoVideo CompressionH.264, H.265, M-JPEGAudio (RR-HDC360IRA Only)1 built-in microphoneAudio Input1 built-in microphoneAudio CompressionADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-lawMechanics	-	
Video Compression  Audio (RR-HDC360IRA Only)  Audio Input  1 built-in microphone  Audio Compression  ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Dynamic Range	120 dB
Audio (RR-HDC360IRA Only)Audio Input1 built-in microphoneAudio CompressionADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-lawMechanics	Video	
Audio Input 1 built-in microphone Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Video Compression	H.264, H.265, M-JPEG
Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Audio (RR-HDC360IRA Only)	
Audio Compression ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law  Mechanics	Audio Input	1 built-in microphone
· · · · · · · · · · · · · · · · · · ·	-	ADPCM 16 kHz, G.726, G.711 μ-law, G.711 a-law
Lens 1.5 mm	Mechanics	
	Lens	1.5 mm



