# RoadRunner™ Pro Forward Facing Camera

LUMINATOR TECHNOLOGY GROUP

ON-BOARD VIDEO SECURITY SYSTEM





### **FEATURES**

- 1920\*1080@30fps Resolution
- Power-off Protection
- PON (DC12V) Power Input Interface
- Multiple optional lens Support 2.8mm, 4mm, 6mm, and 8mm
- Excellent low light effect, Support 1080p,16:9 sensor
- Application Scenario: Meet the problem of reflective front windshield - Prevent reflection with special structure to ensure HD imaging
- · Supports three kinds of stream

### AUTO-CONNECT PON, IP CAMERA

Specifically designed and manufactured for transit applications, RoadRunner Pro HD cameras are auto-connecting, resulting in simple installation and maintenance - programming and IP configuration is automatic.

#### RUGGED AND RELIABLE

Providing the highest quality recording in a rugged and vandalresistant enclosure, the RoadRunner Pro IPC Forward Facing Camera is designed for optimal viewing and flexibility for all types of transit vehicles.



# RoadRunner<sup>™</sup> Pro Forward Facing Camera

ON-BOARD VIDEO SECURITY SYSTEM

## **TECHNICAL DATA**

Part/Model Number (N. America)   RRP-IPC-FFC	Product Ordering Information	
Power Consumption	Part/Model Number (N. America)	RRP-IPC-FFC
Power Consumption	Electrical Properties	
Dimension (Unit in mm)   109MM(L)x75MM(W)x39MM(H)	·	PON<2.5W, POE<3.5W
Dimension (Unit in mm)	Power Supply	PON (DC9-16V) /POE(DC37-58V)
Carry   Carr	Mechanical Properties	
Carry   Carr	Dimension (Unit in mm)	109MM(L)x75MM(W)x39MM(H)
2.8mm=H*V 104*55° Support Glass with Inclination of 70°-90°	Image	
### Hand ###	- 3 -	2 8mm=H*V 104*55° Support Glass with Inclination of 70°-90°
Sems	FOV	• •
Resolution 1920H*1080V Lens 2.8mm, 4mm, 6mm, 8mm M12, Fixed Aperture F1.8  Mainstream: 1080P(or 720p) @ 30fps Image Resolution Sub Stream: VGA/D1/CIF @ 10FPS Default VGA 10FPS Net Transmission Stream: Default VGA 10FPS Infrared Range IR N/A CBR/VBR Support Default VBR Back-Light Compensation Support Sensor 1/2.8 "2MP" CMOS Minimum Illumination 0.05Lux (Color) S/N 250dB Electronic Shutter 1/30Second - 1/10000 Second Video Video Compression Standard Default H.264 Support H.265 Compression Output Rate 512Kbps-8Mbps Audio Compression Standard G.711A, G.711U, ADPCM, G.726, default G711A Audio Input Built-in Audio Capture Audio Capture Range 5M Environment Operating Temperature -40°C:+70°C Operating Humidity 0% - 90% Waterproof Class N/A		
Lens  2.8mm, 4mm, 6mm, 8mm M12, Fixed Aperture F1.8  Mainstream: 1080P(or 720p) @ 30fps  Sub Stream: VGA/D1/CIF @ 10FPS Default VGA 10FPS  Net Transmission Stream: Default VGA 10FPS  Infrared Range IR  N/A  CBR/VBR  Support Default VBR  Back-Light Compensation Support Sensor  1/2.8 "2MP" CMOS  Minimum Illumination 0.05Lux (Color) S/N  ≥50dB  Electronic Shutter 1/30Second - 1/10000 Second  Video  Video Compression Standard Default H.264 Support H.265  Compression Output Rate 512Kbps-8Mbps  Audio Compression Standard G.711A, G.711U, ADPCM, G.726, default G711A  Audio Input Built-in Audio Capture  Audio Capture Range 5M  Environment Operating Temperature -40°C-+70°C Operating Humidity 0% -90% Waterproof Class N/A		
Mainstream: 1080P(or 720p) @ 30fps	Resolution	1920H*1080V
Image Resolution  Sub Stream: VGA/D1/CIF @ 10FPS Default VGA 10FPS Net Transmission Stream: Default VGA 10FPS Infrared Range IR  N/A  CBR/VBR Support Default VBR  Back-Light Compensation Support Sensor 1/2.8 "2MP" CMOS Minimum Illumination 0.05Lux (Color) S/N 250dB Electronic Shutter 1/30Second 1/10000 Second  Video  Video Compression Standard Default H.264 Support H.265  Compression Output Rate 512Kbps-8Mbps  Audio Compression Standard G.711A, G.711U, ADPCM, G.726, default G711A  Audio Input Built-in Audio Capture  Audio Capture Range 5M  Environment Operating Temperature -40°C-+70°C Operating Humidity 0% - 90% Waterproof Class N/A	Lens	2.8mm, 4mm, 6mm, 8mm M12, Fixed Aperture F1.8
Net Transmission Stream : Default VGA 10FPS	Image Resolution	Mainstream: 1080P(or 720p) @ 30fps
Infrared Range IR  CBR/VBR  Support Default VBR  Back-Light Compensation  Sensor  1/2.8 "2MP" CMOS  Minimum Illumination  0.05Lux (Color)  S/N  ≥50dB  Electronic Shutter  1/30Second 1/10000 Second  Video  Video Compression Standard  Default H.264 Support H.265  Compression Output Rate  512Kbps-8Mbps  Audio Compression Standard  G.711A , G.711U , ADPCM, G.726, default G711A  Audio Input  Built-in Audio Capture  Audio Capture Range  Environment  Operating Temperature  -40°C-+70°C  Operating Humidity  0% - 90%  Waterproof Class  N/A		Sub Stream :VGA/D1/CIF @ 10FPS Default VGA 10FPS
CBR/VBR Support Default VBR   Back-Light Compensation Support   Sensor 1/2.8 "2MP" CMOS   Minimum Illumination 0.05Lux (Color)   S/N ≥50dB   Electronic Shutter 1/30Second 1/10000 Second   Video Video Compression Standard   Compression Output Rate 512Kbps-8Mbps   Audio Compression Standard G.711A , G.711U , ADPCM, G.726, default G711A   Audio Input Built-in Audio Capture   Audio Capture Range 5M   Environment Operating Temperature -40°C-+70°C   Operating Humidity 0% - 90%   Waterproof Class N/A		Net Transmission Stream: Default VGA 10FPS
Back-Light Compensation Sensor  1/2.8 "2MP" CMOS  Minimum Illumination 0.05Lux (Color) S/N ≥50dB  Electronic Shutter 1/30Second 1/10000 Second  Video  Video Compression Standard Default H.264 Support H.265  Compression Output Rate 512Kbps-8Mbps  Audio Compression Standard G.711A, G.711U, ADPCM, G.726, default G711A  Audio Input Built-in Audio Capture  Audio Capture Range 5M  Environment Operating Temperature -40°C-+70°C Operating Humidity 0% - 90% Waterproof Class N/A	Infrared Range IR	N/A
Sensor 1/2.8 "2MP" CMOS   Minimum Illumination 0.05Lux (Color)   S/N ≥50dB   Electronic Shutter 1/30Second - 1/10000 Second   Video Video Compression Standard   Default H.264 Support H.265   Compression Output Rate 512Kbps-8Mbps   Audio Compression Standard G.711A , G.711U , ADPCM, G.726, default G711A   Audio Input Built-in Audio Capture   Audio Capture Range 5M   Environment Operating Temperature -40°C-+70°C   Operating Humidity 0% - 90%   Waterproof Class N/A	CBR/VBR	Support Default VBR
Minimum Illumination 0.05Lux (Color)   S/N ≥50dB   Electronic Shutter 1/30Second - 1/10000 Second   Video Video Compression Standard Default H.264 Support H.265   Compression Output Rate 512Kbps-8Mbps   Audio Compression Standard G.711A , G.711U , ADPCM, G.726, default G711A   Audio Input Built-in Audio Capture   Audio Capture Range 5M   Environment Operating Temperature -40°C-+70°C   Operating Humidity 0% - 90%   Waterproof Class N/A	Back-Light Compensation	* * *
S/N ≥50dB  Electronic Shutter 1/30Second - 1/10000 Second  Video  Video Compression Standard Default H.264 Support H.265  Compression Output Rate 512Kbps-8Mbps  Audio Compression Standard G.711A , G.711U , ADPCM, G.726, default G711A  Audio Input Built-in Audio Capture  Audio Capture Range 5M  Environment  Operating Temperature -40°C-+70°C  Operating Humidity 0% - 90%  Waterproof Class N/A		
Electronic Shutter  Video  Video Compression Standard  Default H.264 Support H.265  Compression Output Rate  512Kbps-8Mbps  Audio Compression Standard  G.711A, G.711U, ADPCM, G.726, default G711A  Audio Input  Built-in Audio Capture  Audio Capture Range  5M  Environment  Operating Temperature  -40°C-+70°C  Operating Humidity  0% - 90%  Waterproof Class  N/A		
Video Compression Standard  Default H.264 Support H.265  Compression Output Rate  512Kbps-8Mbps  Audio Compression Standard  G.711A , G.711U , ADPCM, G.726, default G711A  Audio Input  Built-in Audio Capture  Audio Capture Range  5M  Environment  Operating Temperature  -40°C-+70°C  Operating Humidity  0% - 90%  Waterproof Class  N/A		
Video Compression Standard  Default H.264 Support H.265  Compression Output Rate  512Kbps-8Mbps  Audio Compression Standard  G.711A, G.711U, ADPCM, G.726, default G711A  Audio Input  Built-in Audio Capture  Audio Capture Range  5M  Environment  Operating Temperature  -40°C-+70°C  Operating Humidity  0% - 90%  Waterproof Class  N/A		1/30Second 1/10000 Second
Compression Output Rate 512Kbps-8Mbps  Audio Compression Standard G.711A , G.711U , ADPCM, G.726, default G711A  Audio Input Built-in Audio Capture  Audio Capture Range 5M  Environment Operating Temperature -40°C-+70°C Operating Humidity 0% - 90%  Waterproof Class N/A	Video	
Audio Compression Standard  G.711A , G.711U , ADPCM, G.726, default G711A  Audio Input  Built-in Audio Capture  5M  Environment  Operating Temperature  -40°C-+70°C  Operating Humidity  0% - 90%  Waterproof Class  N/A	Video Compression Standard	Default H.264 Support H.265
Audio Input  Built-in Audio Capture  Audio Capture Range  5M  Environment  Operating Temperature  -40°C-+70°C  Operating Humidity  0% - 90%  Waterproof Class  N/A	Compression Output Rate	512Kbps-8Mbps
Audio Capture Range 5M  Environment  Operating Temperature -40°C-+70°C  Operating Humidity 0% - 90%  Waterproof Class N/A	Audio Compression Standard	G.711A , G.711U , ADPCM, G.726, default G711A
Environment  Operating Temperature -40°C-+70°C  Operating Humidity 0% - 90%  Waterproof Class N/A	Audio Input	Built-in Audio Capture
Operating Temperature -40°C-+70°C  Operating Humidity 0% - 90%  Waterproof Class N/A	Audio Capture Range	5M
Operating Humidity 0% - 90% Waterproof Class N/A	Environment	
Waterproof Class N/A	Operating Temperature	-40°C-+70°C
·	Operating Humidity	0% - 90%
Installation	Waterproof Class	N/A
	Installation	



Installation	Stick on the Front Windshield
Network	
Network Protocol	TCP/IP, HTTP, DHCP, NTP, FTP, ONVIF
N9M	Support
Client Preview	Built-in WEB Server, Support IE Browser

