

# ROADRUNNER PRO DVR

## Video Security System



### Features

- Exceptional Processing Power For AI Applications
- NPU (Neural Processing Unit) Support Up To 6tops (Terra Operating Per Second)
- Support up to 8K @ 30fps H.264 decoder with High Storage Capacity
- Multi-Channel support (12 AHD + 12 IP Camera), 1080p and 4K resolution
- Mirror Recording using SD cards
- Comprehensive vibration reduction technology with mechanical damping, electronic anti-vibration, and software anti-vibration.
- Station display systems and advertising display systems.

### Unprecedented Video Quality

The Road Runner Pro supports up to 12 channels of analog HD and 12 channels of digital IP camera inputs, providing robust video capabilities. Also offered is 4G/5G connectivity, high-speed WiFi, dual frequency GPS, extensive local storage, and numeral peripheral interfaces.

### Superior Flexibility

Supporting complete fleets of all vehicle types, the system is equipped with an 8-core processor and a neural network interface engine for intelligent algorithm applications. Supports one 3.5-inch hard drive and one M.2 SSD for local storage.

### Enhanced Durability

Designed and manufactured specifically for transit applications, the RoadRunner Pro is designed to deliver seamless, high performance management for multiple Transit applications, ensuring efficiency on the go.

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### Technical Data

Product Ordering Information	
Part/Model Number (N. America)	RR Pro
Basic Parameters	
RAM	6GB
ROM	32GB
OS	Linux, Android
3G/4G	TDD-LTE/FDD-TE/EVDO/TD-SCDMA/WCDMA
5G	Optional
WIFI	802.11b/g/n/ac/ax (Optional)
Positioning	Supports GPS
HDD	1 x 3.5" SATA HDD + 1 x M.2 SSD (Optional) 2*SSD (Optional) hard disk heating supported
G-Sensor	Built-in 6-axis inertial sensor
Port	
Video Input	12-channel AHD + 12-channel IPC (PON Power Supply)
Total Resources	PAL: 12 x 1080p @ 25FPS + 12 x 1080P @ 30fps IPC NTSC: 12 x 1080P @ 30fps + 12 x 1080P @ 30fps IPC
Encoding and Decoding	H.265/H.264
Video Output	Supports 7-channel video various outputs: 1 channel Serdes dispatch screen high-definition display, 1 channel VGA high-definition output, 1 channel HDMI high-definition output, 4 channels passenger information display screen digital output
Audio Input	11-channel analog + 12-channel IPC
Audio	1 channel Serdes dispatch screen audio, 1 channel HDMI audio
Output USB	Front Type-A interface USB 3.0, rear aviation head interface USB 2.0
Micro SD	2* Micro SD
WAN	1*1000Mbps, RJ45 interface
LAN	1 * 1000Mbps, RJ45 interface, maximum support for connecting 4 channels of passenger information display screens
SIM Card	1 * SIM card slot
IO	9 * sensor in (1 channel dedicated for reverse signal)
Power Amplifier	2 * sensor output
Serial Port	2 channel output, maximum support 30W
CAN	2*RS232, 2*RS485
WAN	6*CAN-FD

Speed	1 channel pulse speed measurement
MIC	External loudspeaker
<b>Power Supply</b>	
Power Input	DC 8~36V
Power Output Power	12V/1A, 5V/0.5V
Consumption	The Power consumption of main units is 20W, typical power consumption 110W
<b>Installation</b>	
Size	261*237*116mm
Weight	4.7Kg
<b>Working Environment</b>	
Operating Temperature	-30°C ~ +55°C (Host with hard disk)
	-30°C ~ +55°C (Host does not come with a hard disk)
Storage Temperature	-40°C ~ +85°C