

IronEye AI



SPECS

 0.85Kg

 205.51 × 132 × 38.5mm

 -30°C ~+70°C

Overview

F1N is a multifunctional vehicle-mounted intelligent terminal with modules for storage, encoding, communication and power. It integrates on-board video surveillance, remote video surveillance on platforms, and driver behavior analysis.

Featuring powerful video access and encoding capabilities, supporting up to 4 channels coaxial analog AHD high-definition and 1 digital IPC data mixed access. Simultaneously supports 5 channels of 1080P @30fps for full HD real-time full-frame recording, ensuring high video quality.

Powerful NPU processing capabilities, based on deep learning algorithms. It supports built-in intelligent computing operations, comprehensively covering the driver behavior analysis system.

Meets ISO16750 and ISO7637 in-vehicle testing standards, suitable for installation and use in various vehicle types.

Features

- Supports 4 analog high-definition AHD and 1 digital high-definition IPC access
- Full HD 5-channel 1080P@30fps real-time full-frame encoding
- Support CVBS standard-definition output
- Supports GPS/BDS for more precise positioning; external IP67 waterproof antenna
- Features a high-speed processor and powerful neural network inference engine with built-in intelligent algorithm applications.
- Supports 1 Micro SD local storage, with a maximum capacity of 512G
- Comprehensive vibration reduction technology that combines mechanical vibration reduction, electronic vibration reduction, and software vibration reduction
- The entire device and tail cable are IP67 waterproof

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PRODUCT PARAMETERS

Model		
	F1N	
	Items	Description
Basic parameters		
	RAM	1GB
	ROM	8GB
	Operating System	Linux
	4G	TDD-LTE/FDD-LTE/EVDO/TD-SCDMA/WCDMA External Antenna, Vehicle-mounted Fakra Antenna Interface
	Positioning	Supports GPS/BDS dual-mode positioning External Antenna, Vehicle-mounted Fakra Antenna Interface
	Storage	Supports 1 Micro SD card with a maximum capacity of 512GB
	Sensor	Supports 3-axis accelerometer sensor
Interface Function		
	Video Input	4 channels AHD+1 channel IPC (maximum resolution supports 1080P) 4 channels AHD+1 channel IPC (maximum resolution supports 1080P)
	Codec	Full HD real-time full-frame encoding with the following maximum encoding capabilities PAL: 4*1080P@25fps AHD +1*1080P@30fps IPC NTSC: 4*1080P@30fps AHD +1*1080P@30fps IPC
	Video Output	1 CVBS standard-definition output
	Audio Input	4 channels analog + 1 channel digital
	Audio Output	1 channel 1 channel
	USB	Front-facing Type-A USB 2.0 interface
	Micro SD	1 Micro SD interface
	SIM card	1 SIM physical card slot, optional support for digital SIM card eSIM
	IO	2 inputs, 2 outputs
	Serial Port	1 RS232, 1 RS485
	AI	Supports 1 channel built-in algorithm, DMS included by default
Power Specification		
	Power Input	DC 9~36V
	Consumption	Bare Machine Power Consumption < 10W, Typical Operating Power Consumption < 35W
Installation		
	Dimensions	205.51*132*38.5mm
	Weight	About 0.85Kg
Operating Environment		
	Operating Temperature	-30°C ~+70°C
	Storage Temperature	-40°C ~+70°C



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