MPN: 0070-08502

Ernitec 16 Channel NVR with 16 PoE Ports (Cygnus-PX3-16116-2)



Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format

Max. decoding capability: 32 × 1080p@30 fps or 16 × 4MP@30 fps

Max. 384 Mbps incoming/recording/outgoing bandwidth

Support AcuPick with Max. 16-Channel

Support N+M cluster

AI by recorder: 2-channel face detection and recognition, 4-channel perimeter protection, and 8-channel SMD Plus

AI by camera: Face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, and people counting

Security baseline 2.3

Ernitec Cygnus Series Overview

The Cygnus series offers outstanding performance and high-grade recording technology, making it ideal for IP video surveillance applications. It features a powerful processor that provides high access and forwarding bandwidth, along with strong decoding capabilities for unimpeded streams.

With its built-in AI chip and Ernitec´s advanced deep learning algorithms, this NVR supports a variety of AI functions, enhancing response times and making videos more interactive. It is also compatible with numerous third-party devices, making it a great solution for surveillance systems that work with Video Management Software (VMS).

Key Features

AcuPick Technology: Utilizes both front-end and back-end intelligence to search through massive video data quickly and accurately.

Perimeter Protection: Filters out false alarms caused by animals, rustling leaves, bright lights, etc., improving alarm accuracy.

Face Detection: Detects human faces in video using deep learning algorithms for tracking, optimization, and capturing the best face snapshots.

Face Recognition: Extracts and compares facial features with a face database using Ernitec Face Recognition technology.

Heat Map by Camera: Displays crowd density and people appearance probability using different colors to represent crowd status.

ANPR by Camera: Recognizes vehicle number plates and supports blocklist/allowlist modes for searching target vehicles from recorded video.

Smart Motion Detection (SMD) Plus: Categorizes targets that trigger motion detection and filters out non-concerned targets for effective and accurate alarms.

Technical Specifications
Decoding Formats: Supports Smart H.265+, H.265, Smart H.264+, H.264, and MJPEG.
Decoding Capability: Maximum of 32 × 1080p@30 fps or 16 × 4MP@30 fps.
Bandwidth: Maximum of 384/384/384 Mbps for incoming, recording, and outgoing bandwidth.



Camera Resolution: Supports IP cameras with resolutions up to 32 MP.
AcuPick Channels: Supports up to 16 channels.
Cluster and Storage: Supports N+M cluster and iSCSI.

AI by Recorder:
2-channel face detection and recognition.
Up to 20 face databases and 20,000 face images.
4-channel perimeter protection.
8-channel SMD Plus.

AI by Camera:
Face detection and recognition.
Perimeter protection.
SMD Plus.
Metadata.
ANPR.
Stereo analysis.
Heat map.
People counting.

Additional Features:
Supports EPTZ and one-click arming and disarming.
This series is ideal for businesses looking for a high-performance, reliable, and efficient network recording solution with advanced AI capabilities.

Specifications

Performance	**Video input channels**	16 channels
Ports & interfaces	**Ethernet LAN (RJ-45) ports**	1
	HDMI ports quantity	1
	Power over Ethernet (PoE) ports quantity	16
Storage	**HDD capacity**	0 GB
	Number of HDDs supported	2
Vendor information	**Brand Name**	Ernitec
	Homepage	http://www.ernitec.com
	Warranty	5 Year(s)
Video	**Video intelligence analytic**	Yes

Other products in this series

HDD capacity	
0	0070-08502
1000	0070-08502-1TB
2000	0070-08502-2TB
4000	0070-08502-4TB
6000	0070-08502-6TB
8000	0070-08502-8TB
10000	0070-08502-10TB
12000	0070-08502-12TB
16000	0070-08502-16TB
20000	0070-08502-20TB

Other images

