

IR-310D

Ready to Install with IDIS VMS Workstation

NDAA & TAA Compliant



HIGH-PERFORMANCE 64-CHANNEL VIDEO MANAGEMENT SERVER WITH ENHANCED DATA RELIABILITY

The IR-310D is a high-performance video security server equipped with an Intel Core i5 processor and 16GB of DDR4 memory, supporting up to 64-channel video input and a recording throughput of 400Mbps. It ensures stable system operation by hosting the Windows 10 IoT Enterprise OS on a dedicated SSD. The server provides extensive storage scalability via 8 SATA and 3 eSATA ports, supporting RAID 1, 5, and 10 configurations along with hot-swappable drives for data redundancy and efficient maintenance. Featuring a redundant power supply design, it maintains continuous operation during power failures, while its 2U rack-mount form factor allows for seamless integration into standard server environments. It is an ideal solution for integrated monitoring in large-scale logistics centers, industrial facilities, and corporate buildings where reliable high-volume data recording and high availability are essential.

KEY FEATURES

- Ready to Install with IDIS Solution Suite VMS
- Tested and validated with IDIS Solution Suite up to 64 Full HD H.264/265 IP cameras
- Storage configuration: 8 SATA + 3 eSATA Ports
- Supports up to 64 Full HD cameras in real-time for enterprise-level surveillance systems
- 400Mbps maximum recording bandwidth per server
- Complete compatibility with IDIS components: IP cameras, analog DVR, DirectCX TVR, DirectIP NVR, and encoders
- 2U rack mount chassis
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

IR-310D | Datasheet

VIDEO

Video Inputs	64Ch Recommended
--------------	------------------

Video Outputs	2 HDMI 2.0
---------------	------------

RECORDING

Max. Throughput	Up to 400Mbps
-----------------	---------------

STORAGE

HDD	SATA x 8, eSATA x 3, RAID 1, 5, 10 Supported, Hot-swappable
-----	---

SSD	240G SSD for Operating System (M.2 type)
-----	--

INTERFACE

USB	6 (2 Front USB 2.0 + 3 Back USB 3.0 Type-A + 1 Back USB 3.0 Type-C)
-----	---

Serial Interface	-
------------------	---

GENERAL

Operating System	Microsoft® Windows 10 IoT Enterprise
------------------	--------------------------------------

Processor	Intel® I5-10500, 3.1GHz
-----------	-------------------------

Memory	DDR4 PC-25600, 16GB
--------	---------------------

ENVIRONMENTAL

Operating Temperature	0°C to 40°C (32°F to 104°F)
-----------------------	-----------------------------

Operating Humidity	0% ~ 90%
--------------------	----------

ELECTRICAL

Power Input	100-240V~, 50/60 Hz, 8.0 - 4.0A (Redundant)
-------------	---

Power Consumption	120W x 2
-------------------	----------

Approval	FCC, CE, CB, UL, PSE, KC
----------	--------------------------

MECHANICAL

Unit Dimensions (W x H x D)	482.6mm x 88mm x 537mm (19" x 3.5" x 21.1")
-----------------------------	---

Unit Weight	12.6kg (27.8lb)
-------------	-----------------

DIMENSIONS

Unit - mm (inch)

