

IR-310

Ready to Install with IDIS VMS Workstation

NDAA & TAA Compliant



HIGH-PERFORMANCE 64-CHANNEL WINDOWS-BASED RECORDER FOR LARGE-SCALE INTEGRATION

The IDIS IR-310 is a high-performance recorder powered by an Intel i5 processor and Windows 10 IoT Enterprise, supporting up to 64 channels with a 400Mbps throughput. It provides extensive storage capacity through 8 internal SATA bays and 3 eSATA ports, ensuring data integrity with RAID 1, 5, and 10 configurations and hot-swappable drive support. A dedicated SSD for the operating system enhances system stability, while dual HDMI outputs facilitate efficient multi-monitor setups. This solution is ideal for large-scale commercial facilities, logistics centers, and public institutions requiring reliable data redundancy and scalable video management.

KEY FEATURES

- Ready to Install with IDIS VMS Workstation
- Tested and validated with IDIS Solution Suite up to 32 Full HD H.264/265 IP cameras
- Storage configuration: 8 SATA + 3 eSATA Ports
- Equipped with RAID 1, 5, 10 recording, Hot swappable
- 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-310 | Datasheet

VIDEO

Video Inputs	64Ch Recommended
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Video Outputs	2 HDMI 2.0
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RECORDING

Max. Throughput	Up to 400Mbps
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STORAGE

HDD	SATA x 8, eSATA x 3, RAID 1, 5, 10 Supported, Hot-swappable
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SSD	240G SSD for Operating System (M.2 type)
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INTERFACE

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

Operating System	Microsoft® Windows 10 IoT Enterprise
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Processor	Intel® I5-10500, 3.1GHz
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Memory	DDR4 PC-25600, 8GB
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ENVIRONMENTAL

Operating Temperature	0°C to 40°C (32°F to 104°F)
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Operating Humidity	0% ~ 90%
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ELECTRICAL

Power Input	100-240V~, 50/60 Hz, 6.0 - 3.0A
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Power Consumption	190W
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Approval	FCC, CE, CB, UL, PSE, KC
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MECHANICAL

Unit Dimensions (W x H x D)	482.6mm x 88mm x 523.5mm (19" x 3.5" x 20.6")
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Unit Weight	11.5kg (25.35lb)
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DIMENSIONS

Figure 1: Front View of the IDIS Server PC



(Unit - mm)

Figure 2: Side View of the IDIS Server PC

