DIGIEVER

IDS-T8100-RM(P) iSCSI Server

Linux-embedded iSCSI Storage Expansion Server for DIGIEVER NVR

Linux | intel INSIDE | NDAA Compliant | TAA COMPLIANT | MADE IN TAIWAN

Key Features

■ N+M iSCSI Storage Expansion Architecture
Large-scale video storage expansion solution with DIGIEVER NVR

– **Cost-effective Storage Expansion Platform**
One iSCSI Server can be assigned for diverse DIGIEVER NVR for video storage

– **Achieve the Highest Storage Utilization**
Up to 5 iSCSI LUNs for DIGIEVER NVR

■ Multi-RAID Storage Management
Define diverse RAID numbers based on the importance of video

– **Multi-RAID Configuration**
Support 2 RAID per iSCSI server

– **Fully Utilize HDD Storage**
Freely utilize different size of HDDs on hand

– **Fast and Reliable Storage Expansion for DIGIEVER NVR**
Create extra new RAID volume in few minutes without stopping current recording task

– **Optimized Fault Tolerance Ability**
Increase fault tolerance ability via Multi-RAID configuration
Eg. RAID5 (HDD x 4) + RAID6 (HDD x 4): Allow 3 HDD failure

■ Optional Redundant Power Supply
Ensure iSCSI Server works sound and safe

– **Hot Swappable Power Supply Unit**
Replace the failed power unit on runtime

■ Superior Storage Capability
Maximum 144TB high storage capacity for long-term video storage

– **144TB High Storage Capacity**
Support up to 18TB HDD

– **Diverse RAID Levels**
Support RAID 0/1/5/6/10 to protect crucial videos

– **Hot Swappable HDD Design**
Replace the failed HDD on runtime

– **S.M.A.R.T HDD Health Monitoring**
Prevent video loss from HDD failure in advance

■ Network Capability and Self-Monitoring
Optimized video streaming and ensure video storage from NVR

– **Diverse Network Applications**
Built-in two LAN port to network settings, including share IP, separate IP and load balance

– **Event & Action Management**
Smart server self-monitoring and instant notification

– **Highly Integrated with UPS Device**
Save important videos firmly and securely for unexpected electrical power lost

Technical Specifications

System

CPU	Intel® High Performance CPU
Operating System	Linux-embedded
HDD Tray	8 (Hot Swappable)
LAN Port[2]	2 x 2.5 Gigabit Ethernet
USB Connector	6 x USB 3.2 Gen 1x1 (front 2, rear 4)
GPIO	4-in, 4-out
Video Output Connector	2 x HDMI 2.0a (for local configuration)
Operating Temperature	0~40°C
Operating Humidity	5~95% R.H.
Power Supply	Input: 100~240V AC, 50/60Hz Output: 300W
Power Consumption	84W (with 8 x 500GB HDD installed in RAID 5 building process)
Certification	CE, UKCA, FCC, VCCI, BSMI, C-TICK
H/W Dimensions	88.8 (H) x 430 (W) x 554 (D) mm 3.49 (H) x 16.9 (W) x 21.8 (D) inch
Optional	Redundant Power Supply with Hot-plug design

Storage Ability

Storage Capacity per HDD	Up to 18TB
Maximum Capacity	Up to 144TB (8 x 2.5"/3.5" SATA HDD or SSD)
Disk Configuration	Linear (JBOD), RAID0/1/5/6/10
Maximum LUN Number	Up to 5 LUNs for DIGIEVER NVR
Multi-RAID Number	Up to 2 RAIDs
S.M.A.R.T HDD Health Monitoring	Yes

Event & Action Management

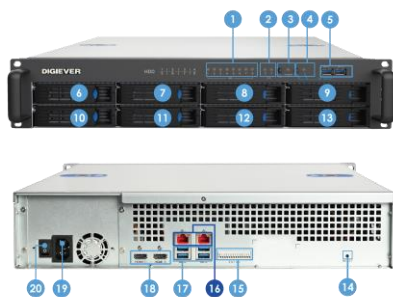|	
Self-monitoring	(1) Server Events: Internet connection lost, Server connection lost, UPS low power warning, abnormal shutdown, built-in digital input (2) Storage Events: RAID Degraded/Failed/Rebuilding (3) Hardware Events: CPU temperature, CPU fan, system fan, HDD error, HDD failed, redundant power supply failure
Remote Notification	E-Mail notification, SMS, buzzer alarm, SNMP trap, stack light, User Defined Action (HTTP out), built-in digital output

Network Service

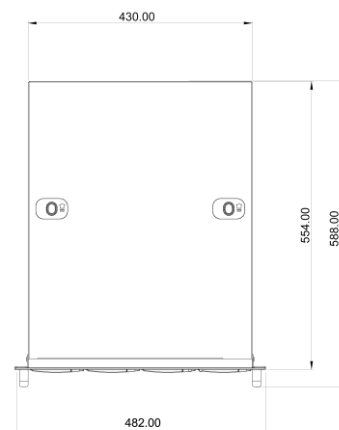|	
Two LAN Port Applications	Shared IP, Separated IP, Load balance
Protocol	HTTP, TCP/IP, DHCP, DNS, DDNS, UPnP, NTP, SMTP

Language

Supported Languages	Bulgarian, Croatian, Czech, Dansk, Deutsch, Dutch, English, Finnish, French, Indonesian, Italian, Japanese, Korean, Hungarian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Traditional Chinese, Simplified Chinese, Vietnamese

Hardware Appearance

1. HDD LED indicator
2. Network LED indicator
3. Power LED indicator
4. One-touch backup button with LED indicator
5. 2 x USB3.2 Gen 1x1 (Front)

6~13. HDD 1 to HDD 8

14. Reset button
15. Digital Input/Digital Output (4-in, 4-out)
16. 2 x 2.5 GbE ports
17. 4 x USB 3.2 Gen 1x1 (Rear)
18. 2 x HDMI 2.0a outputs
19. Power connector
20. Power switch
    (Optional: Redundant Power Supply)

Dimensions (2U Chassis)

DIGIEVER Authorized Dealer:

Note1. The standard system is shipped without HDD.

Note2. User is advised to connect DIGIEVER iSCSI Server with gigabit switch

* All designs and specifications are subject to change without prior notice.

Made in Taiwan

V2.3.0.77