

# IDS-T16100-RM(P) iSCSI Server

Linux-embedded iSCSI Storage Expansion Server for DIGIEVER NVR



## 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 6 iSCSI LUNs for DIGIEVER NVR

### ■ Multi-RAID Storage Management

*Define diverse RAID numbers based on the importance of video*

- **Multi-RAID Configuration**  
Support 3 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 288TB high storage capacity for long-term video storage*

- **288TB 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

<b>CPU</b>	Intel® High Speed CPU
<b>Operating System</b>	Linux-embedded
<b>HDD Tray</b>	16 (Hot Swappable)
<b>LAN Port<sup>2</sup></b>	2 x 2.5 Gigabit Ethernet
<b>USB Connector</b>	6 x USB 3.2 Gen 1x1 (front 2, rear 4)
<b>GPIO</b>	4-in, 4-out
<b>Video Output Connector</b>	2 x HDMI 2.0a (for local configuration)
<b>Operating Temperature</b>	0~40°C
<b>Operating Humidity</b>	5~95% R.H.
<b>Power Supply</b>	Input: 100~240V AC, 50/60Hz Output: 600W
<b>Power Consumption</b>	178W (with 16 x 500GB HDD installed in RAID 5 building process)
<b>Certification</b>	CE, UKCA, FCC, VCCI, BSMI, C-TICK
<b>H/W Dimensions</b>	133.4 (H) x 430 (W) x 554 (D) mm 5.25 (H) x 16.9 (W) x 21.8 (D) inch
<b>Optional</b>	Redundant Power Supply with Hot-plug Design

### Storage Ability

<b>Storage Capacity per HDD</b>	Up to 18TB
<b>Maximum Capacity</b>	Up to 288TB (16 x 2.5"/3.5" SATA HDD or SSD)
<b>Disk Configuration</b>	Linear (JBOD), RAID0/1/5/6/10
<b>Multi-RAID Number</b>	Up to 3 RAIDs
<b>S.M.A.R.T.HDD Health Monitoring</b>	Yes

### Event & Action Management

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

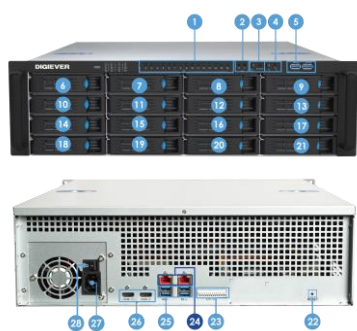
### Network Service

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

### Language

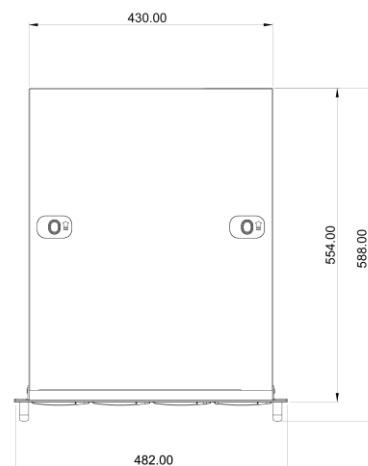
<b>Supported Languages</b>	Bulgarian, Croatian, Czech, Dansk, Deutsch, Dutch, English, Finnish, French, Indonesian, Italian, Japanese, Korean, Hungarian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Traditional Chinese, Simplified Chinese, Vietnamese
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###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



1. Network LED indicator
2. Power LED indicator
3. One-touch backup button with LED indicator
4. 2 x USB3.2 Gen 1x1 (Front)
5. HDD LED indicator
- 6~21. HDD 1 to HDD 16
22. Reset button
23. Digital input/Digital output (4-in, 4-out)
24. 2 x 2.5 GbE ports
25. 4 x USB 3.2 Gen 1x1 (Rear)
26. 2 x HDMI 2.0a outputs
27. Power connector
28. Power switch
- (Optional: Redundant Power Supply)

### Dimensions (3U Chassis)



## Authorized Dealer:

Note1. The standard system is shipped without HDD.

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

**Made in Taiwan**

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

**V2.3.0.77**