

# IDS-T16000-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;  
Maximum 5 RAID with 2 units of DIGIARRAY
- **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 240TB high storage capacity for long-term video storage*

- **160TB High Storage Capacity**  
Support up to 10TB HDD
- **Extra Storage Expansion Ability**  
Expand extra 80TB storage capacity via DIGIARRAY
- **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 Quad Core Extreme Speed CPU
<b>Operating System</b>	Linux-embedded
<b>HDD Tray</b>	16 (Swappable)
<b>Maximum Capacity<sup>1</sup></b>	Up to 160TB (2.5"/3.5" SATA HDD x 16)
<b>LAN Port<sup>2</sup></b>	Gigabit x 2
<b>USB Connector</b>	USB2.0 × 1 (Front), USB2.0 × 4 (Rear)
<b>GPIO</b>	4-in, 2-out
<b>Video Output Connector</b>	HDMI x1, VGA x1 (for local configuration)
<b>Operating Temperature</b>	0~40°C
<b>Operating Humidity</b>	0~95% R.H.
<b>Power Supply</b>	Input: 100-240V AC, 50/ 60Hz; Output: 600W
<b>Power Consumption</b>	178 W (with 16 x 500GB HDD installed in RAID 5 building process)
<b>Certification</b>	CE, FCC, BSMI, VCCI
<b>H/W Dimensions</b>	133.4(H) x 481(W) x 551.5(D) mm 5.25(H) x 18.93(W) x 21.71(D) inch
<b>Optional</b>	Redundant Power Supply with Hot-plug design

### Storage Ability

<b>Storage Capacity per HDD</b>	Up to 10TB
<b>Maximum Capacity</b>	Up to 160TB (2.5"/3.5" SATA HDD x 16)
<b>Storage Expansion Units</b>	DIGIARRAY x 2
<b>Expansible Storage Capacity with DIGIARRAY</b>	Up to 80TB (up to 40TB per DIGIARRAY)
<b>Maximum Capacity with DIGIARRAY</b>	Up to 240TB
<b>Disk Configuration</b>	Linear(JBOD), RAID0/ 1/ 5/ 6/ 10
<b>Maximum LUN Number</b>	Up to 6 LUNs for DIGIEVER NVR
<b>Multi-RAID Number</b>	Up to 3 volume
<b>Maximum RAID Number</b>	Up to 5 volume with DIGIARRAY
<b>S.M.A.R.T.HDD Health Monitoring</b>	Yes

### Event & Action Management

<b>Self-monitoring</b>	<p>(1) <u>Server Events</u>:</p> <p>Internet connection lost, eSATA connection lost, UPS low power warning, abnormal shutdown, built-in digital input</p> <p>(2) <u>Storage Events</u>:</p> <p>RAID Degraded / Failed / Rebuilding</p> <p>(3) <u>Hardware Events</u>:</p> <p>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>	Share IP, Separated IP, Load balance
<b>Protocol</b>	HTTP, HTTPS, TCP/IP, DHCP, DNS, DDNS, UPnP, NTP, SMTP

### Language

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

	1. LED indicators: LAN1, LAN2, eSATA, HDD1 ~ HDD16	9. HDD5	20. HDD16
	2. Power button	10. HDD6	21. Gigabit LAN x 2
	3. USB BACKUP button (Reserved)	11. HDD7	22. USB 2.0 × 4
	4. USB 2.0 x 1	12. HDD8	23. eSATA x 2
	5. HDD1	13. HDD9	24. VGA output
	6. HDD2	14. HDD10	25. HDMI output
	7. HDD3	15. HDD11	26. DI/DO (4 in 2 out)
	8. HDD4	16. HDD12	27. Reset button
		17. HDD13	28. Power switch
		18. HDD14	29. Power connector
		19. HDD15	

### Authorized Dealer:

Note1. The standard system is shipped without HDD.

Note2. User is advised to connect DIGIEVER SCSI iServer with gigabit switch

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