



ENT-4D-PDU

**8-PORT POWER DISTRIBUTION UNIT
WITH ETHERNET MANAGEMENT**

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8-Port Power Distribution Unit with Ethernet Management

Brand: TWT Technology

Model: ENT-4D-PDU

Application: 4D / 5D Cinema, motion seat systems, immersive entertainment installations

Product Overview

The ENT-4D-PDU 8-Port Power Distribution Unit with Ethernet Management is a dedicated technical distribution interface designed for motion seat systems in immersive theater environments. The unit distributes electrical power from the main source cabinet to the motion seat base while supporting management and communication via Ethernet, allowing the system to be integrated more efficiently into the overall control network.

Developed for 4D/5D cinema and simulation applications, the ENT-4D-PDU helps simplify installation, improve cable organization, and support stable technical operation in professional entertainment projects.

Key Features

- Dedicated power distribution unit for motion seat base systems
- Management and communication via Ethernet
- 8-port configuration for organized technical distribution
- Distributes power from the main source cabinet to the seat platform
- Supports network-based system interfacing and monitoring
- Improves cable organization and installation efficiency
- Suitable for professional 4D / 5D cinema and immersive environments

Main Functions

- Electrical power distribution from source cabinet to seat base
- Ethernet-based communication and management interface
- Organized routing of power and network connections
- Support for stable system integration with motion seat platforms
- Simplified maintenance and technical deployment

System Description

The ENT-4D-PDU functions as an intermediate distribution unit installed between the main source cabinet and the motion seat base. Its primary role is to deliver electrical power to the seat platform while enabling management, communication, and system interfacing through Ethernet.

This architecture supports a cleaner and more efficient installation layout, especially in systems where multiple motion seat bases require centralized power routing and stable network-based supervision.

Technical Specifications

Parameter	Specification
Product Name	Power Distribution Unit with Ethernet Management
Model	ENT-4D-PDU
Brand	TWT Technology
Port Configuration	8 Ports
Main Function	Power distribution to motion seat base
Management Interface	Ethernet
Application	Motion seat systems, 4D / 5D cinema
Installation Type	Fixed technical installation
System Role	Intermediate distribution unit between source cabinet and seat base

Performance Advantages

The ENT-4D-PDU is designed to improve technical system layout by centralizing distribution and allowing Ethernet-based management within one dedicated unit. This approach helps:

- reduce cable congestion
- improve installation neatness
- support network-based system supervision
- simplify troubleshooting and maintenance
- improve overall integration of seat motion systems

It is especially beneficial in professional immersive theaters where multiple seat platforms and control points must be managed in a stable and organized manner.

Applications

- 4D Cinema
- 5D Cinema
- Motion seat platforms
- Immersive theater systems
- Simulation theater installations
- Centralized technical distribution systems

Technical Advantages

- Centralized power routing for seat platforms
- Ethernet-based management and communication
- 8-port architecture for practical deployment
- Cleaner system wiring and better organization
- Suitable for commercial entertainment installations
- Supports stable integration with control infrastructure



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