

ODM - Operator Desktop Manager Software

Stream and Remote Control Software

Overview

- Supports Windows OS
- Flexible & Intelligent Streaming
- Advanced Soft KVM (Software-Based KVM)
- Multi-User Broadcast Architecture
- Cross-Platform Accessibility
- App Stream features and Application web control
- Low Latency Performance
- Integration with 4TheWall Ecosystem
- Broadcast-based distribution
- Offline and Online design
- Action bar for remote control / Automation



ODM (Operator Desktop Manager) is an advanced software module developed by **4TheWall** to enable real-time streaming, control, and distribution of operator workstations in control room environments.

ODM captures video, keyboard, and mouse data from operator systems and delivers them as **very low latency HTTP/HTTPS-based streams** to the 4TheWall ecosystem.

With its **broadcast-based architecture**, ODM allows multiple users to simultaneously view and control the same source without impacting the performance of the source computer.

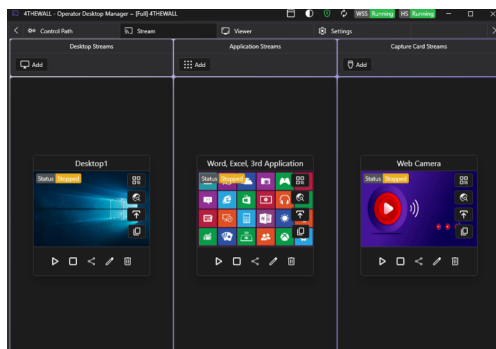
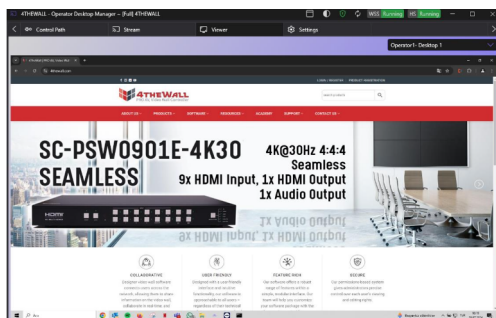
- ODM goes far beyond traditional desktop streaming by enabling:
 - Full desktop streaming (single or multiple desktops)
 - Selected screen regions (region-based streaming)
 - Multiple regions streamed simultaneously
 - Application-based streaming
 - Multiple applications streamed in parallel
 - Operator-linked source streaming
- ODM delivers a powerful **hardware-free KVM experience**:
 - Full remote keyboard and mouse control
 - Real-time operator interaction
 - Multi-user access to the same source
 - Seamless control during live operations
 - Eliminates the need for physical KVM hardware
 - Provides a more flexible and scalable alternative
- One source → Unlimited viewers
- Simultaneous multi-user access
- No additional load on the source PC
- Ideal for large-scale control room deployments

Access streams from:

- Windows
- Linux
- macOS
- iOS / Android
- Web browsers

- Optimized streaming engine
- Near real-time responsiveness
- Designed for mission-critical operations

- ODM is fully integrated with:
 - **4TheWall Control Path** → orchestration & automation
 - **Designer V6 / Designer TRX** → video wall visualization



Minimum Source PC Requirements

- **CPU:** Intel i5 (8th Gen) / AMD Ryzen 5 or equivalent
- **RAM:** 8 GB
- **Storage:** 256 GB SSD
- **Graphics:** Integrated GPU (Intel UHD / AMD Radeon)
- **Network:** 1 Gbps Ethernet
- **OS:** Windows 10 / 11 (64-bit) all versions