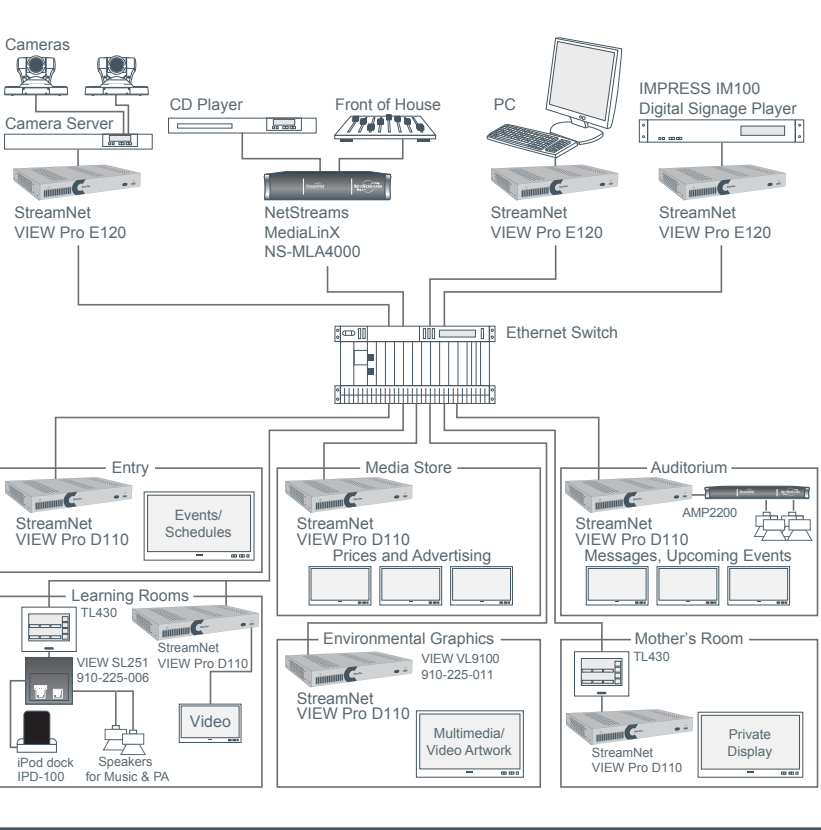


Wiring Diagram



Equipment List

- | | |
|--|---|
| Encoders:
VIEW Pro E120
MediaLinX NS-MLA4000
MultiMedia Port NS-MMP100 | Gigabit Ethernet Switches:
VIEW NS-SW5524 |
| Decoders:
VIEW Pro D110 | User Interfaces:
VIEW NS-TL430 |
| Amplifiers:
VIEW SL251 910-225-006
AMP2200 | Power Supplies:
VIEW PL960 910-225-005 |
| Digital Signage:
IMPRESS IM100 | Control nodes:
VIEW NS-CL100 |



Contact TechSales for Installation,
Design and Quote Assistance:
800-705-2103
techsales@clearone.com

About ClearOne

ClearOne is a global communications solutions company that develops and sells conferencing, collaboration, streaming media and connectivity systems for audio, video, and web applications. The reliability, flexibility and performance of the company's advanced comprehensive solutions enhance the quality of life through better communication, education and entertainment.

ClearOne delivers the ultimate IP A/V experience by distributing high definition audio and video over TCP/IP networks. ClearOne's products are designed for commercial and residential use, offer unprecedented levels of performance, functionality, simplicity, reliability and expandability. By combining audio/video content, meta-data and control signals into one stream, ClearOne's patented StreamNet™ solutions are a smart investment, enabling the Power of AV over IP™ – today.

ClearOne's StreamNet technology provides elegant solutions for streaming media & control applications such as digital signage, distribution of HD video and audio, LAN Cloud Matrix Switching™, and audio paging over data networks.

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Facilities Managers Love StreamNet. Here's Why:

1 House of Worship projects can be immense with massive distance requirements and future scalability needs. StreamNet is the perfect solution since its Internet protocol technology eliminates the signal degradation inherent with RF and baseband products. In StreamNet systems, multiple streams of HD audio and video can run for thousands of feet – even miles – without loss. Best of all, StreamNet works over a facility's existing network infrastructure.

2 House of Worship systems can easily feature hundreds of end points (especially displays). Unlike traditional RF or baseband solutions, StreamNet allows nearly unlimited endpoints. And in addition to this massive scalability, every StreamNet device can display different information while providing two-way interactivity such as for informational display points where the user can select the information they are seeking.

3 For projects which mandate mission-critical reliability and 24/7 uptime, StreamNet offers the best solution. House of Worship projects require maintenance and service efficiency and StreamNet is the only complete solution available with no single point of failure which allows easy provisioning and remote management.

Deliver the ultimate IP A/V experience with StreamNet, the intelligent design for houses of worship.

Inspire your Messaging

ClearOne

OppDoc #3: StreamNet™ and Digital Signage in a House of Worship



Interactivity and multimedia drives visitor and parishioner engagement in today's hyper competitive House of Worship

...engaging the audience to motivate or convey a particular point of view requires great creativity.

For this reason ClearOne's StreamNet® audio/video solutions are often chosen in House of Worship applications because they can be easily customized for any size building, seating for hundreds all the way up to tens of thousands. It's no problem with a StreamNet solution.

Using ClearOne StreamNet solutions, your message may be tailored for every event, with the exact timing, words, creativity and presentation required to best communicate with your audience perfectly displayed. And best of all, because StreamNet solutions are simple to operate, they are just as accessible for the smaller congregation with volunteer staff as for the mega-church with full-time A/V and creative staff members.

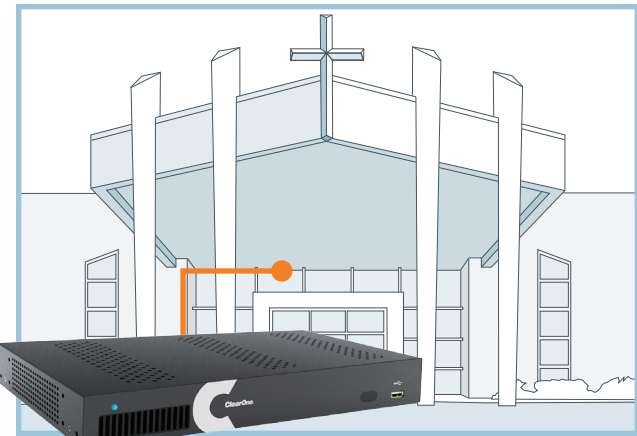
Which is why effectively engaging the House of Worship audience to motivate, persuade or convey a particular point of view requires great timing, creativity and relevance. Present a perfectly timed message and your audience is destined to remember the key point all week.

■ Opportunity 1: Facility entrance

A visitor will interact with digital signage for the following purposes:

- + Information such as directions to the worship center, childcare rooms and restrooms
- + Special event announcements, concerts, home groups
- + Welcome messages for visitors who may be feeling a bit overwhelmed in a new worship environment

With no distance limitations, or limit to the number of end-points, StreamNet's solutions have become the standard for high reliability projects regardless of size.



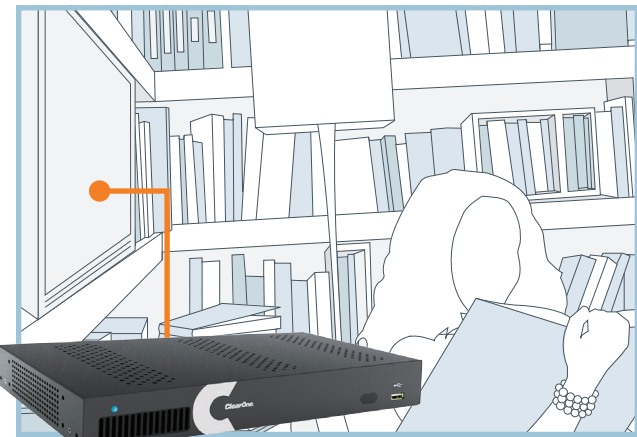
StreamNet VIEW Pro D110

■ Opportunity 2: Book or media store

Digital signage enables:

- + Pricing and advertising offers to be presented in fun and engaging ways via multimedia content, new books or music may be featured based on the message of the day
- + Play exciting video clips of speakers or authors who were recently at the worship center to help promote their materials

StreamNet provides an easy to operate user interface so volunteers may fully control and operate the system without advanced training, making the system ideal for houses of worship with and without paid professional A/V staff.



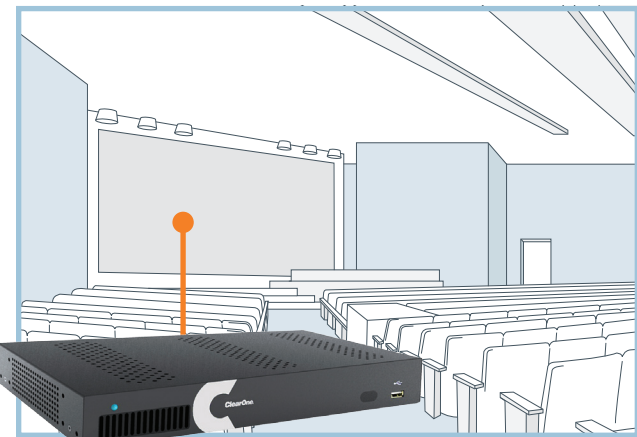
StreamNet VIEW Pro D110

■ Opportunity 3: Main auditorium

Once in the main worship center or auditorium, digital signage can deliver:

- + Safety messages, upcoming events
- + Scrolling lyrics to songs overlaid on video, or message notes overlaid on live video of the speaker
- + "Text-to-screen" messages from parishioners wishing to ask the presenter questions live during a meeting

StreamNet synchronizes video for multiple displays to less than one millisecond, which means several screens may be placed within a visitor's vantage point without concern about signal delay. Picture quality and audio video data rate is fully adjustable for each display or audio zone, which means for the largest displays, maximum resolution may be used to ensure the very best in picture and sound.



StreamNet VIEW Pro D110

■ Opportunity 4: Environmental graphics

Create the mood or highlight the season based on HD quality graphics and video. StreamNet solutions deliver excitement year round every week through:

- + Multimedia artwork by members of the church
- + Special seasonal graphics and decorations at Christmas, Easter and other religious holidays

Easy to remotely manage and configure, with a StreamNet solution every House of Worship is able to program their own unique desired look and feel from cool and contemporary to cutting edge and aggressive to classic and traditional. The only requirement is your creativity.



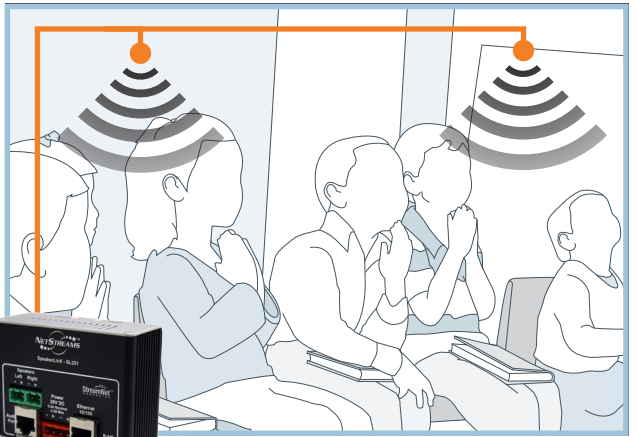
StreamNet VIEW Pro D110

■ Opportunity 5: Children's learning rooms

StreamNet solutions improve learning by:

- + Offering a fun way to play videos and short presentations in line with the week's lesson
- + Display messages for parents, such as time of pick-up or theme of week's lesson
- + Offer a view into the larger auditorium so children do not feel separated from their parents

StreamNet allows for bidirectional audio and video signals as well as control to be sent anywhere on the network. For this reason, traditional A/V system limitations do not exist in a StreamNet powered House of Worship installation.



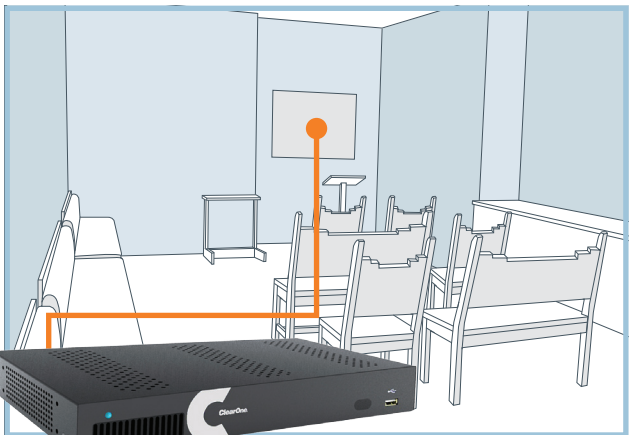
VIEW SL251 - 910-225-006

■ Opportunity 6: Mother's room or quiet room

Ways StreamNet solutions can enhance the experience in a mother's room:

- + Private display for view of current program in main auditorium
- + Individual volume control for separate sound level based on needs of occupants
- + Paging system on video monitor in the case of children in need of a parent in the childcare rooms

StreamNet powered digital signage solutions can provide a custom or enhanced feeling for areas of the church removed from the main auditorium.



StreamNet VIEW Pro D110

Did you know...

StreamNet does not require a separate network, devices peacefully coexist with data services or other applications. StreamNet multi-media encoders convert audio, video and control signals into streaming data that can be sent across

any Ethernet based network using Internet Protocol (IP). StreamNet multi-media decoders convert the IP stream back into audio, video and control signals used for playback on display devices and speakers. This means for a

large campus where thousands of feet of cable may need to be run between buildings, StreamNet can improve performance while reducing costly cabling alternatives such as fiber, in many instances.