HYPERCONVERGED

ROSS

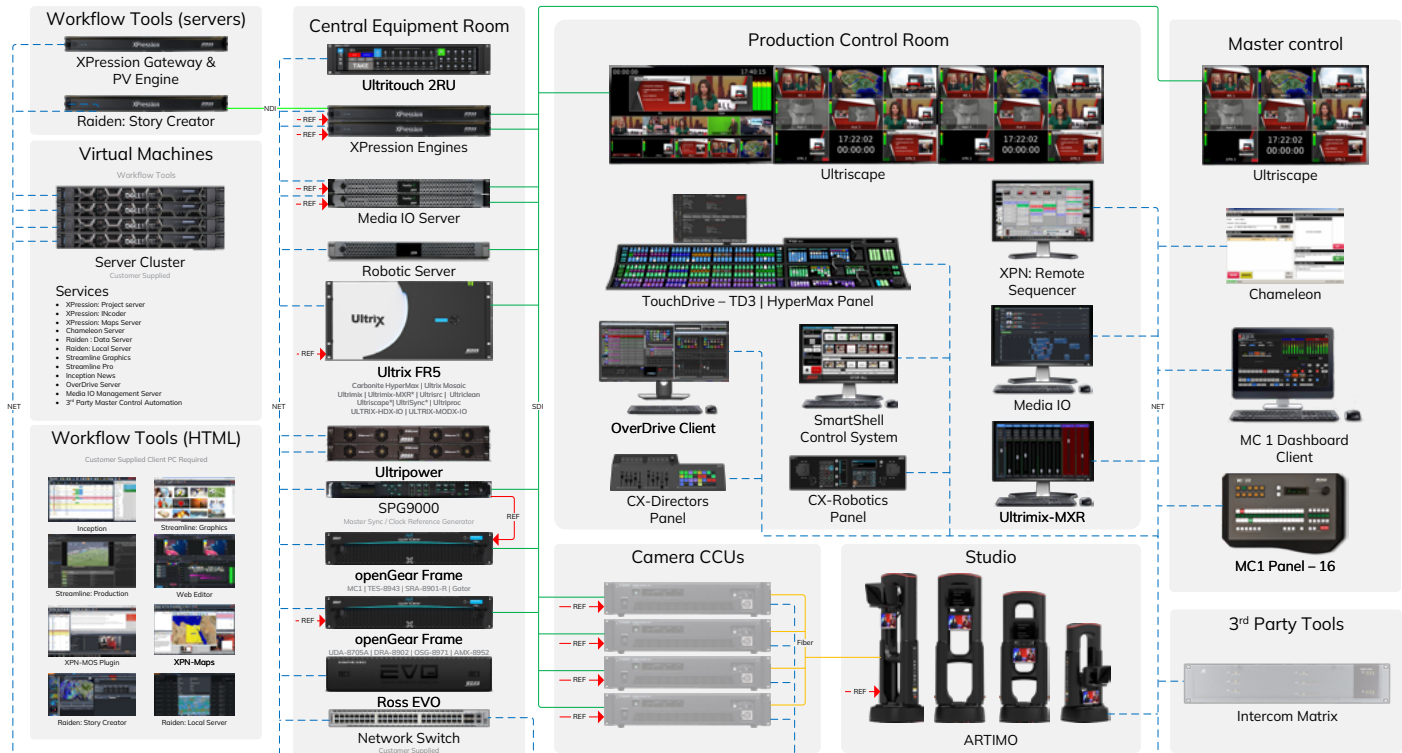# Full-sized Production, tiny footprint.

Introducing: Your next live production studio — now more compact, more cost-effective, and more power-efficient than ever.

With our hyperconverged production platform and virtualized software production solutions, we've been able to achieve something that would have been impossible even five years ago — fit the entire back-end of a modern live production studio into a single equipment rack. This means significant space, cost, cabling and power savings without compromising performance.

rossvideo.com/Ultrix

ROSS

Workflow Tools (servers)

XPression Gateway & PV Engine

Raiden: Story Creator

Virtual Machines
Workflow Tools

Server Cluster
Customer Supplied

Services
- XPression: Project server
- XPression: Encoder
- XPression: Maps Server
- Chameleon Server
- Raiden : Data Server
- Raiden : Local Server
- Streamline Graphics
- Streamline Pro
- Inception News
- OverDrive Server
- Media IO Management Server
- 3rd Party Master Control Automation

Workflow Tools (HTML)
Customer Supplied Client PC Required

Inception | Streamline: Graphics
Streamline: Production | Web Editor
XPN-MOS Plugin | XPN-Maps
Raiden: Story Creator | Raiden: Local Server

Central Equipment Room

Ultritouch 2RU

XPression Engines

Media IO Server

Robotic Server

Ultrix FR5
Carbonite HyperMax | Ultrix Mosaic
Ultrimix | Ultrimix-MXR* | Ultrisrc | Ultriclean
Ultriscape*| UltriSync* | Ultriproc
ULTRIX-HDX-IO | ULTRIX-MODX-IO

Ultripower

SPG9000
Master Sync / Clock Reference Generator

openGear Frame
MC1 | TES-8943 | SRA-8901-R | Gator

openGear Frame
UDA-8705A | DRA-8902 | OSG-8971 | AMX-8952

Ross EVO

Network Switch
Customer Supplied

Production Control Room

Ultriscape

TouchDrive – TD3 | HyperMax Panel

OverDrive Client

CX-Directors Panel

SmartShell Control System

CX-Robotics Panel

XPN: Remote Sequencer

Media IO

Ultrimix-MXR

Camera CCUs

Studio

ARTIMO

Master control

Ultriscape

Chameleon

MC 1 Dashboard Client

MC1 Panel – 16

3rd Party Tools

Intercom Matrix

This Live Production Center was built to encompass the back-end equipment required for a four-camera production studio, typically found in live production facilities around the world. Although initially designed for news production workflows, it can easily be adapted for other types of production, such as entertainment or large corporate events.

The heart of the system is the Ultrix FR5 hyperconverged platform, which provides core signal routing plus integrated signal processing and multiviewers. It offers the flexibility of multiple media standards including SDI, NDI and ST 2110 plus MADI and Dante audio. Built into this platform is a 3 ME Carbonite HyperMax production switcher system and integrated Ultrimix-MXR audio mixer.

This solution supports four studio cameras mated to industry-leading Ross robotics solutions including free-roaming Artimo and CamBot or rail-based Furio systems, paired with SmartShell camera control and Vision[Ai]ry AI-powered image tracking software.

A graphics powerhouse featuring XPression graphics (including XPression Maps and Raiden weather graphics), ensures your productions look their best. These are all linked with a complete set of workflow tools including MOS integration with Inception Newsroom and Streamline Pro Media Asset Management systems, along with Media I/O ingest and playout.

The production solution is tied together with OverDrive Automated Production Control which seamlessly ties all these production tools together to enable you to produce high-quality, consistent productions with ease.

MC1 and openGear round out this solution, providing a complete master control and air chain solution, including branding, audio correction, watermarking, and SCTE triggering.

HYPERCONVERGED

rossvideo.com/Ultrix

For more information about each solution, click the product name.

◆ **Master Sync Generator**	SPG9000
◆ **Production Workflow (Virtualized)**	MAM — Streamline Pro Newsroom — Inception APC — OverDrive Medio I/O Management Graphics Workflow Tools
◆ **Motion Graphics**	XPression Engine — Production XPression Engine — Master Control Raiden Story Creator XPression Preview Engine
◆ **Unified Control**	Dashboard Ultritouch
◆ **Hyperconveged Platform**	Hyperconverged platform — Ultrix Signal Routing Signal Processing — Ultriproc, Ultriformat, Ultrisync, Ultrimix Audio Visual Production — Ultrimix-MXR & Carbonite HyperMax Signal Monitoring — Ultriscape
◆ **Signal Processing**	Signal Processing — openGear • Audio correction, watermarking, SCTE triggers • GCG / contribution • Master Control — MC1-UHD
◆ **Media Ingest & Playout**	Media I/O
◆ **Camera Motion Systems**	Thumbnail server and Vision[AI]ry
◆ **Media Storage**	EVO Signature Series

Room for third-party equipment within the rack.

CCU

CCU

CCU

Intercom

Overall savings of:

44RU   3200W   3000ft cables