OVERDRIVE +GRAPHITE

AFFORDABLE, RELIABLE, & COMPACT AUTOMATED PRODUCTION

OverDrive+Graphite package combines OverDrive's production automation capability with the 2ME Carbonite switcher, XPression's 3D motion graphics, and the 28-channel RAVE audio mixer at a special introductory price.

This integrated solution from Ross makes high quality Automated Production Control (APC) accessible to all, including small market news productions, national cut-in studios, master control integration rooms, backup control rooms, and other budget conscious applications.

OverDrive+Graphite is easy to scale and offers a compelling standard feature set including:

- XPression MOS Gateway license
- OverDrive controls for graphics, server systems, and RAVE audio mixer
- OverDrive licenses for MOS integration for Inception and XPression

In addition, there are optional interfaces to expand functionality such as router control and camera robotics control. This solution is upgradeable to other OverDrive editions and third party MOS device support is an available option.

OVERDRIVE +GRAPHITE

ACCESSIBLE AUTOMATED PRODUCTION

- Fits your existing workflow
- One integrated solution from one vendor
- No production infrastructure compromise required

OVERDRIVE

PRODUCTION AUTOMATION MADE EASY
With more than 400 systems on-air, OverDrive is the world leader in APC, delivering operational efficiencies while taking complexity out of the production process.

GRAPHITE
REAL SWITCHER, REAL GRAPHICS, REAL AUDIO

POWERFUL GRAPHICS
Near limitless layering on a single channel with true 3D objects and animation - XPression Graphite is the motion graphics engine that simply cannot be matched by other all-in-one systems.

INTEGRATED CLIP SERVER
Creatively use video clips with instant access and frame accurate recall with XPression Clips. Record video or XPression Graphite animations for use in your productions.

UNMATCHED AUDIO
Handle demanding live audio without compromise, with the professional RAVE production engine. Do more than you ever imagined was possible in an all-in-one system with this hardware-based, 28-channel digital audio mixer.

ULTRA-RELIABLE
Rely on a system with consistent performance and immunity to traditional all-in-one issues. The unique design only requires power from the host PC for operation, as Graphite's OS and software are self-contained on a hardware-based PCIe card that is entirely separate from the PC.

ROSS
LIVING LIVE!

RAVE

INPUT CONTROLS	
FADER VOLUME	-∞dB to + 20dB
PRE-FADE AUDIO METER	•
PRE-FADE PEAK INDICATOR	•
BALANCE CONTROL ON STEREO INPUTS	•
PAN CONTROL ON MONO INPUTS	•
MUTE	•
SOLO	•
PRE-FADE LISTEN	•

OUTPUT CONTROLS	
FADER VOLUME	-∞dB to + 20dB
POST-FADE AUDIO METER	•
POST-FADE PEAK INDICATOR	•
SOLO CLEAR	•

RAVE AUDIO MIXER	
28-CHANNELS	12 Stereo SDI 4 Stereo XPression 2 Stereo Carbonite MediaStores 1 Stereo PC Audio Input 1 Stereo AES input 8 Mono Analog inputs

RAVE AUDIO BREAKOUT PANEL	
ANALOG / MICROPHONE INPUTS	8
ANALOG OUTPUTS	5
AES DIGITAL AUDIO INPUTS	1
AES DIGITAL AUDIO OUTPUTS	1
ADJUSTABLE PRE-AMPS GAIN ON ANALOG INPUTS	0-60dB
PHANTOM POWER ON ANALOG INPUTS	48V
DIGITAL PADS ON ANALOG INPUTS	-20dB
DIGITAL LCD FRONT PANEL W/ MULTI-FUNCTION CONTROL PANEL INTERFACE	•
NUMBER OF GPI/O	24
NUMBER OF TALLIES	16

XPression

XPRESSION GRAPHITE SPECIFICATIONS
- Template Designer
- Playout Sequencer
- 2D / 3D Fonts
- Arabic, Asian & Scripted Language Support
- 3D Primitives
- Imported 3D Models
- Video Clip Support (within a template)
- XPression Video Codec License
- XPression Video Coder Application
- Animation Timeline
- Graphical Keyframe Editor
- Continuous Animations
- Stagger Animations
- Visual Logic
- Seamless Continuous Tickers
- Render to Disk
- Unlimited Output Framebuffer Layers
- Two Virtual Preview Channels (up next & look-ahead)
- RossTalk (TCP/IP Strings)
- CII Control Gateway

XPRESSION CLIP FEATURES
- P-bus
- 1 Channel of Baseband Video Ingest
- 2 Channels of Playout
- No Pre-roll
- Back-to-back Transitions
- Clip Browser with Searching
- Clip Trimming and Looping
- VDCP, AMP, P-bus, and RossTalk Automation Protocols
- Clip Manager Application with User Rights or Database Management and Synchronization Setup

GRAPHITE
CARBONITE BLACK

GRAPHITE FRAME SPECIFICATIONS	
13 EXTERNAL INPUTS	12 SD/HD/3G SDI / 1 HDMI
7 INTERNAL INPUTS	Single Channel XPression with Multiple Key Layers 2 Channels of XPression Clip Playback 4 Channels of Media Storage (Stills & Animations w/ Audio)
8 OUTPUTS	6 SDI / 2 HDMI

CARBONITE ENGINE SPECIFICATIONS	
NUMBER OF MES	2
NUMBER OF MINIMES	4
NUMBER OF MULTIVIEWERS WITH TALLY AND SOURCE NAMES	2 (up to 32 windows)
INTERNAL FORMAT CONVERTERS / FRAME SYN-CHRONIZERS	6
NUMBER OF FLOATING DVES	4
REFERENCE INPUT	Black or Tri-Level

OPERATIONAL FEATURES		
NUMBER OF KEYS PER ME	5 (4+1 Transition Key)	
NUMBER OF KEYS PER MINIME	2 per MiniME	
ULTRACHROME KEYERS (FLOATING)	2	
NUMBER OF MEDIA-STORES (2 GB CAPACITY)	4	
SUPPORTED MEDIA FILE TYPES - STILLS AND ANIMATIONS		.BMP (no Alpha) .JPG (no Alpha) .TGA (with or without Alpha) .PNG (with or without Alpha) 48k WAV audio
BROWSER-BASED GRAPHICS MANAGEMENT	•	
PATTERN GENERATORS	2 per ME	
ANIMATED MEDIAWIPES	•	
DIRECT MEDIA-STORE RENDER VIA ETHERNET	•	
LIVEEDL (GENERATES AN EDIT DECISION LIST FOR USE IN POST-PRODUCTION)	•	

OverDrive

OVERDRIVE FEATURES
- 2ME Support
  - New features in OverDrive v17 make the most of the available resources in a 2ME switcher
- RundownControl
  - Playout of MOS playlists.
  - LiveLink provides real-time updates from the newsroom rundown.
  - Ability to create playlists without the use of the NRCS.
  - Jump in and out of playlist easily
  - Build intelligent templates to simplify day-to-day show production.
  - QuickRecalls to instantly insert fully coded elements.
  - XPression Thumbnail Previews

- TemplateEditor
  - Simple client to create and manage templates.
- RapidRestore
  - Easy to use backup and restore tool
  - Create restore points and project files.
- NRCS Plugin
  - HTML5 plugin for Newsroom systems.
  - Custom Folder for organization of templates and shots
  - Full features and easy to navigate UI

DEVICE CONTROL INTERFACES
- Graphics (CII)
- Video Server (AMP, VDCP)
- Ross Talk
- Audio Server
- P-Bus
- Multi-Viewer Control
- Audio Mixer

HARDWARE
- Server Hardware
  - Robust 1RU Dell Server Hardware

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