AXIAL/MX System Options

AXIAL-MX/V / LIVE VIDEO
Includes five live serial digital video inputs switchable in either SD or HD, TrimClips, Clip Library, and Storyboard (required for Axial-R & Axial-SC options). Also includes serial reference input.

AXIAL-24P / 24-FRAME OPTION
24 frame operation is a system option for Axial/MX. A software option code is required.

AXIAL-X / EXTRA COMMS PORTS
Includes 13 additional RS422 Communication Ports and GPI outputs.

AXIAL-R / RAVE™
Random Access Visual Editing software module (requires Axial-MX/V option required for Axial-SC option).

AXIAL-SC / SHOWCASE
ShowCase software module (requires Axial-MX/V and Axial-R options).

AXIAL/MX Key Features

VISUAL EDITING
- Live Video (option):
    - 2 Live Video windows w/ up to 5 SDI inputs
    - TrimClips
    - Clip Library
    - Visual Storyboard
- *RAVE* (option)
- *ShowCase* (option)

GRAPHICAL TIMELINE
- Display of video and audio tracks
- Trim & Slide with/without Ripple
- Change Cut / Dissolve / Wipe
- Change Transition Rate
- Split A/V channels
- Exchange edits
- Immediate cue of cached sources

AUTO-CACHING
- Automatic B-Roll
- SloMo Cache
- Layer Backup Cache
- Submastering
- Pre-Assembly AutoCache
- Automatic or User-specified
- Immediate or Deferred
- User defined cache area

PRE-READ
- Auto and manual modes
- Pre-read status stored in EDL
- Toggle pre-read on/off for EDL edits

EDIT WORKSPACE
- Unlimited effect lines per edit
- Edit In/Out and Rate per effect line
- Auto From source for dissolve or wipe
- Roll lines for additional edit sources
- Recall / Replace event to/from EDL
- Insert event with or w/out record times
- Pkup event from EDL
- Xfer individual timecode from EDL
- Recall triggers from EDL
- Quick Swap Mstr & Src or Src & Src
- Match from source or recorder
- Select Match to multiple sources
- Field-accurate speed Match
- Extended Match
- Find Edit by master or source time
- Display Edit In or Offset

BASIC EDITING
- 10 primary sources / 9 Aux sources
- Cut / Dissolve / Wipe / Key (Layer)
- Split A/V channels In / Out
- Set or Trim In / Out / Duration / Rate
- Slide In & Out times
- Repeat last Trim
- Grab workspace or device timecode
- Open-end edit / Mark Out on-the-fly
- Preview modes: VVV / BVB / VBV
- Exit Preview modes: -BV / -VB
- Preview via EE, VSwr Aux Bus, Router, or Preview Switcher
- Edit Replay
- Adjustable preroll
- Separate preroll/postroll per edit mode
- Auto / Manual Color Framing
- Alpha-numeric reel names
- Semi-Independent 8-channel audio editing
- Timecode / DF / NDF

ADVANCED EDITING
- Flexible use of master as edit source
- Aside Record to source device
- Multiple Slave Recorders (no limit)
- Source Advance to compensate for frame delays (DVE, extra M/E, etc.)
- 9 independent Sync Groups
- Auto Sync Roll lines for Group sources
- 26 Versions per Edit
- Workspace Triggers
- DData (data upload / download)
- DMems (device memory)
- Menu Data
- Audio Tracks 5-8
- DCmds (device commands)
- Speed / Ramp / Learn
- GPIs
- Relative In /Out / Prior timing
- Absolute Master / Source timing
- Adjustable Frame Bump
- Preview range of EDL edits
- Field-based / 3:2 editing

EDL ASSEMBLY
- Roll-through auto-assembly
- Multiple simultaneous auto-assemblies
- Sequential or Checkerboard assembly
- Look-ahead cueing
- Pause / Resume auto-assembly

EDL DISPLAY & MANAGEMENT
- 9 independent EDL bins
- Title per EDL bin
- Display Edit In or Offset
- Display Edit Out or Duration
- Dynamic List Display™:
    - Clean / Dirty Toggle
    - Sort by Record Time, Source Time, Edit Number or Creation Order
- Pre-Sort by A/V Channel or RMark
- Pre-Sort by RMark
- Filter by Edit Versions or Selected Range
- EDL event Copy / Delete / Move
- Ripple: to EDL end, edit #, or highlighted event
- Display / Global Modify:
    - RMark (toggle)
    - Source or Mstr reel name (change)
    - Source or Mstr times (slide)
    - A/V Channels (toggle)
    - Pre-read (toggle)
    - VSwr & ASwr enables (toggle)
    - Edit Number (change)
    - Ripple / Time Lock (toggle)
- Data Display:
    - Edit Notes
    - Slave Recorder(s)
    - All Triggers
    - Roll lines / Group Roll lines
    - Sync Groups
    - Cache Device & Trace
    - Edit Versions (show / hide)
- List Tracking to master timecode

ADVANCED MOTION CONTROL
- Variable speed triggers
- Speed Ramps (select from 5 curves)
- Speed Learn
- Field-accurate match framing
- Selectable Fit-Fill calculations
- Immediate response w/out previewing

LIST I/O

- Read: CMX 340X/3600, GVG, SMPTE
- Write: CMX 3600, GVG, SMPTE
- Conversion program for Sony EDLs
- Serial and parallel printer support
- Device Control
- Customizable Spec File interfaces
- DData upload/download of device data
- DMem device memory triggers
- DCmd trigger of any RS422 command
- Configurable User Menu control of external devices such as VSwr auto-transitions & key & wipe parameters, mixer levels, DVE registers, TBC adjustments, and router connections
- Menu Data save/recall for User Menus
- Direct video switcher timeline control
- VSwr breakaway: Xpnt/Trans/Rate
- VSwr & ASwr delay compensation
- Sync Tolerance per device per edit
- Auto Align of selected devices
- Multi-device synchronous jog
- GoTo timecode, Edit In/Out, or Preroll
- Advanced Transport Control
- Fwd / Rev & Inc. / Dec. speed control
- Dedicated Freeze, Loop, & EE keys
- Any device / protocol assigned to port

GENERAL FEATURES

- SD or HD editing
- 24P (option)
- On-board Help! Window
- Undo / Redo for workspace & EDL
- Auto Reel Mounting
- 40 Constant registers
- 10 programmable Macros per directory
- Macros via User Menu (no limit)
- Trackball for easy system navigation
- Asign Manager for easy device setup
- Quick device assign via "House" list
- Init Manager for easy system setup
- Session data maintained via directory
- Device & Init setups saved w/session
- Reel Menu for media data
- Graphical File Manager with text editor
- Ethernet file transfer
- DOS / RT-11 3.5" floppy support
- USB port for archive / interchange
- CD-ROM for software updates

Abekas®

Abekas, Incorporated

1090 O'Brien Drive
Menlo Park, California 94025
United States of America

Voice: 650.470.0900
Fax: 650.470.0913

www.abekas.com

FORMATS SUPPORTED

SD	525/625	59.94i and 50i
HD	1080/720	50i, 59.94i, 60i 23.98p and psf, 24, 25, 30 p and psf 59.94P and 60p

SERIAL DEVICE CONTROL – COMMS CHASSIS

(12) RS422 Serial Control (expandable to 25)	(12) Female 9-pin D

GPI DEVICE CONTROL – COMMS CHASSIS

(12) GPI Outputs (expandable to 24)	(1) Female 25-pin D

GENERAL INTERFACE – DISPLAY CHASSIS

Serial Printer via RS232	(1) Male 9-pin D
Parallel Printer	(1) Female 25-pin D
External Ethernet 10/T - 100/T Transceiver Port	(2) Female RJ45
Maintenance QWERTY Keyboard	(1) Female PS/2 Keyboard
Maintenance Mouse Port	(1) Female PS/2 Mouse
Auxiliary RS422 Serial Port	(1) Male 9-pin D

GENERAL INTERFACE – COMMS CHASSIS

Ethernet 100/T interlink to Display Chassis	(1) Female RJ45
Maintenance VGA Display Output	(1) Female 15-pin HD
Maintenance QWERTY Keyboard	(1) Female PS/2 Keyboard
Maintenance Mouse Port	(1) Female PS/2 Mouse
Auxiliary Parallel Port	(1) Female 25-pin D

VIDEO I/O – DISPLAY CHASSIS

VGA Display Monitor Output (1280 x 1024) (display monitor not supplied w/ system)	(1) Female 15-pin HD

VIDEO I/O – DISPLAY CHASSIS (WITH LV OPTION)

SD/HD Serial Digital Video Input	(2) BNC

REFERENCE – DISPLAY CHASSIS (WITH LV OPTION)

SD Serial Digital Reference (terminating)	(1) BNC

REFERENCE – COMMS CHASSIS

Bi-level Sync (with burst for SD) (loop through)	(2) BNC

PHYSICAL & ELECTRICAL – DISPLAY CHASSIS

Power	Switchable 90-132 VAC / 180-264 VAC 50/60 Hz / <120 W
Dimensions (Rack-Mount 2RU)	Inches: 3.5H / 17.0W / 18.5D (mm: 88.9H / 431.8W / 469.9D)
Weight	33.0 LBS (14.9 KG)

PHYSICAL & ELECTRICAL – COMMS CHASSIS

Power	Switchable 90-132 VAC / 180-264 VAC 50/60 Hz / <250 W
Dimensions (Rack-Mount 4RU)	Inches: 7.0H / 17.0W / 24.5D (mm: 178H / 432W / 622D)
Weight	25.0 LBS (11.4 KG)

PHYSICAL & ELECTRICAL – CONTROL PANEL

Power	Universal Input 90-264 VAC 50/60 Hz / <42 W
Dimensions	Inches: 6.5H / 31.0W / 12.75D (mm: 165.1H / 787.4W / 323.8D)
Weight	17.0 LBS (7.7 KG)