

Entry-Level Portfolio — Products & Solutions



At SAM we take great pride in the solutions and technologies we provide. Building on our vast experience in broadcast production technology and with the introduction of the new Kula production switcher, we are delighted to offer a complete package solution for the small to medium sized studio production system.



Addressing the Entry Level Market

SAM is widely used for all different applications and has introduced an exciting solution for the entry level market offering expert technology built on years of experience and packaged into a cost effective, space saving system.

Whether you're a broadcaster for House of Worship, Education, Government, Sports or Local News, SAM's entry level production solution is the epitome of broadcasting and at a price that won't break the bank.

So what makes up the entry level portfolio?

Kula production switcher – 1 M/E & 2 M/E

Vega 30 router - 34 x34 3RU

MV- Flex Multiviewer - Up to 72 in or 12 out 1 & 3RU

Kudos Conversion - Compact and cost effective processors / Dual & Quad channel processors

IQ Modular - Frame synchronizers / Distribution amplifiers / embedding audio processing

If you're working in SD or HD, SAM's products and solutions can offer you complete confidence to get you up and running in either or both standards. SAM equipment is easy to install, simple to integrate and effortless to operate.

SAM technology is built to be robust and resilient to accommodate the toughest terrain, so whether you're on the road or broadcasting from the studio you'll have the confidence that SAM equipment will get you, and keep you, on air fast every time.

Future Proof Expansion

The extra advantage to working with SAM is the technology, not only is it resilient but it is also designed to be 4K ready. This means your plan to transition to 4K could happen far sooner than you imagined.

Product Introductions

Kula Production Switcher

A mighty production switcher wrapped up in a 2RU mainframe with the option of 1M/E and 2 M/E panels.

Kula offers easy installation and straightforward operations of M/Es, sub M/Es, keyers, large internal clipstore and the ability to broadcast in multiple standards to allow for added value productions.



Vega 30 Router

A powerful router of video and audio available in a 3RU mainframe with built in signal processing. The Vega 30 offers options for clean and quiet switching for smooth transitions, de-embedding and embedding and full MADI audio routing. It is a powerful router for its size and benefits from uncomplicated configuration set ups.



Kudos Pro Utility Conversion

The Kudos Pro utility range delivers conversion quality and processing features only achievable with significantly more expensive technology. They are cost effective and yet boasts processing features including synchronization, conversion, ARC and metadata handling all within a 1U frame, perfect for entry level productions.



MV-Flex Multiviewer

The MV-Flex Multiviewer is a flexible, cost effective solution for multi-image displays. Available as a 1 or 3RU frame with up to 12 display outputs and offers an extensive alarm capability for video, audio and data. An ideal external multiviewer with maximum flexibility.



IQ Modular

SAM's IQ Modular range is perfectly suited to any entry level solution as it provides comprehensive, reliable and cost effective interfacing and processing to handle all types of video and audio signals.

Offering a scalable infrastructure there is room to grow as and when you need to.



How does it all work together?

The following diagram shows a typical workflow of an entry level product solution with SAM products and their integration with one another. This type of configuration includes IQ Modular infrastructure to carry out the relevant action needed i.e. embedding audio, a router to process utility, transmission and distribution sources, a production switcher to broadcast to air multiple standard outputs and a choice of using either an internal or external multiviewer for confident monitoring.

The diagrams below are an example of how SAM can help to build a solution that fits into your plans no matter the application.

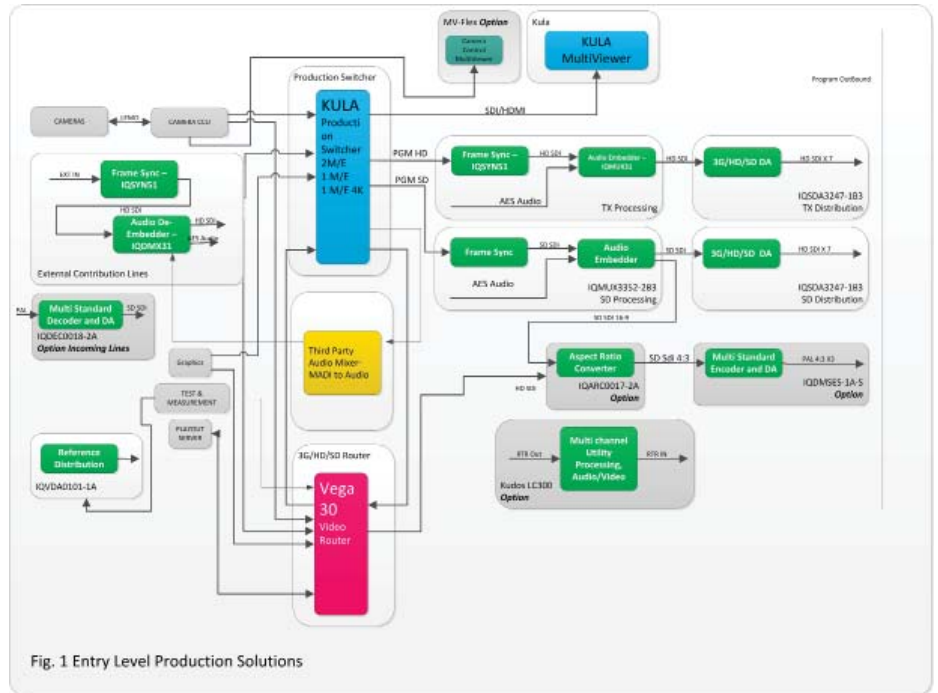


Fig. 1 Entry Level Production Solutions

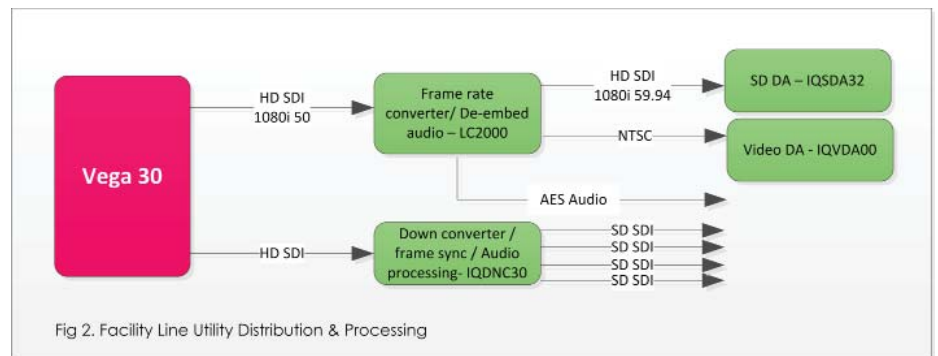


Fig. 2 Facility Line Utility Distribution & Processing



Product Specifications

The table highlights the key features of each product offering from SAM. There are datasheets available with comprehensive technical specifications on the SAM website: www.s-a-m.com.

How do I order?

To find out more information on any of the SAM products please contact your SAM channel partner or SAM directly on sales@s-a-m.com.

There is further information on the SAM website including case studies, datasheets and white papers. Visit www.s-a-m.com.

Production Switcher	
Kula 2 M/E	I/O 36/12, 6 BiDis, 2 x Sub M/Es, 20 key layers, 4 assignable DSKs, 4 x DVEs, 2 x 2.5DVEs, 8 Format Fusion3 & Synchronizers, 10 channel Clipstores
Kula 1 M/E	I/O 18/12, 6 BiDis, 1 Sub M/E, 10 key layers, 4 assignable DSKs, 2 x DVE, 1 x 2.5DVE, 4 Format Fusion3 & Synchronizer, 10 channel Clipstores
Kula 1 M/E 4K	I/O 10/3, 2 x 4K keys, 1 x 4K DSK, 2 x FormatFusion3 & Synchronizer, 2 channel Clipstores, Quadlink & 2Si

Router	
Vega 30	3RU, 34 x 34, video & audio routing, clean and quiet switching, de-embedding and embedding audio, MADi with full audio routing, synchronizing inputs & outputs

Multiviewers	
MV-Flex	Up to 72 x 2 video, Up to 6 dual outputs, 12 quad split displays, 1 & 3RU mainframe, 2 independent outputs per system, SD/HD/3G

Conversion	
Kudos LC 300 & LC 350	SD/HD/3G up, down & cross conversion, 16 channel embedded audio per channel, closed caption, WST & timecode handling. Automatic Aspect Ratio Conversion, Dual PSU, Synchronization.
SV2000	Dual channel conversion, frame synchronization, 16 channel embedded audio processing, HDMI monitor output, relay bypass on primary SDI inputs, automatic aspect ratio conversion (AFD, VI, L23).
SV4000	Quad channel conversion, frame synchronization, 16 channel embedded audio processing, HDMI monitor output, relay bypass on primary SDI inputs, automatic aspect ratio conversion (AFD, VI, L23).

IQ Modular	
IQSYN51	3G/HD/SD-SDI Frame Synchronizer, SMPTE 2016 AFD reader, writer, re-mapper, VLI(RP-168) and WSS Insertion, Dual SDI inputs with auto switching on pre-defined input errors - carrier loss, CRC or ANC errors, 30 frames of delay, RGB Gamut Legalization.
IQHCO50/51	3G/HD/SD-SDI Synchronized Signal Protection Module, 3 SDI inputs, up to 4 SDI outputs (2 main and 2 monitoring), 8 x GPI/O, ASI carrier detection, RGB legalization, Card Edge Control for manual input switch.

IQ Distribution Amplifiers	
IQMUX31/ DMX31	3G/HD/SD Embedding & de-embedding, 4/8 channel AES
IQEAS00	16 channel embedded audio processor