

# Live Production Pack 7

## Professional Media Production for Government

Provide transparency and openness that will engage your constituency with automated broadcasts that are simple to manage.

### Create quality live content at a very affordable price

Grass Valley's Live Production Packs provide professional, effective, easy-to-operate video communication technology in entry-level systems that bring Grass Valley's technology leadership and customer commitment to a wide range of new applications. These packages provide functionality that is deployed by top tier media organizations in a cost-effective solution that maintains the highest levels of quality and resilience.

Pack 7 includes three GV PTZ (Pan-Tilt-Zoom) HD cameras, a Kula 4K UHD 1 M/E production switcher with RT Software's Swift color graphics plus GV Pace production automation software. Optional packages from AJA are also available to record and stream your content.



## CONTENTS — CAMERAS

### 3x GV PTZ HD Cameras

Grass Valley's pan-tilt-zoom camera (PTZ) cameras are an extremely cost-effective solution for multiple camera deployments and/or applications requiring remote directional and zoom control. For television production, PTZs can be used alone or in conjunction with conventional professional studio cameras. PTZs can be controlled independently or through the Kula joystick. GV Pace provides automated single-touch transitions to new scene setups.

The GV PTZ HD camera features a 4K wide angle optical lens with 35x optical zoom and 2x digital zoom with a 60.5° horizontal angle of view. Picture quality is excellent, with fast and precise focusing performance when zooming or moving. White balance, exposure, focus and iris can be adjusted automatically or manually.

Audio/video connectivity includes SDI, HDMI [v1.4], USB3.0 (compatible with USB 2.0 outputs) and IP, including NDI V4.0 video transmission and control. The GV PTZ is powered via a single 12V DC jack (adapter supplied) or POE+ (Power-Over-the-Ethernet – IEEE802.3at) using its IP/NDI Ethernet port.

[Additional information](#)



## CONTENTS — SWITCHER & GRAPHICS

### 1x Kula 4K UHD 1 M/E HD Production Switcher

Kula is an entry-level production switcher designed for the professional broadcast and AV markets, offering a powerful feature set in a compact system for easy installation and operation.

The Kula 4K UHD 1 M/E is available with 10x 4K UHD inputs (quad link or 2SI) and 1x 4K UHD program output, 1x 4K UHD preview output, 1x 4K UHD clean output, and 2x HD down-converted assignable outputs. It provides 6 M/E key layers, one floating DSK, and four channels of ClipStore output.

[Additional information](#)

### Integrated Swift graphics package

RT Software Swift Graphics are bundled with Kula to provide an intuitive creative tool for text, clocks, tickers/crawls, tables and video/clip handling.

Once created, graphics are automatically loaded directly into the Kula Clip-Store for immediate use. Combining sophisticated, high-quality graphics with powerful data capabilities, Swift is a modern on-air graphics platform that is easy to learn even when there are no in-depth graphics skills in the team. PC hardware is provided by the customer.

[Additional information](#)

## CONTENTS — PRODUCTION ASSIST

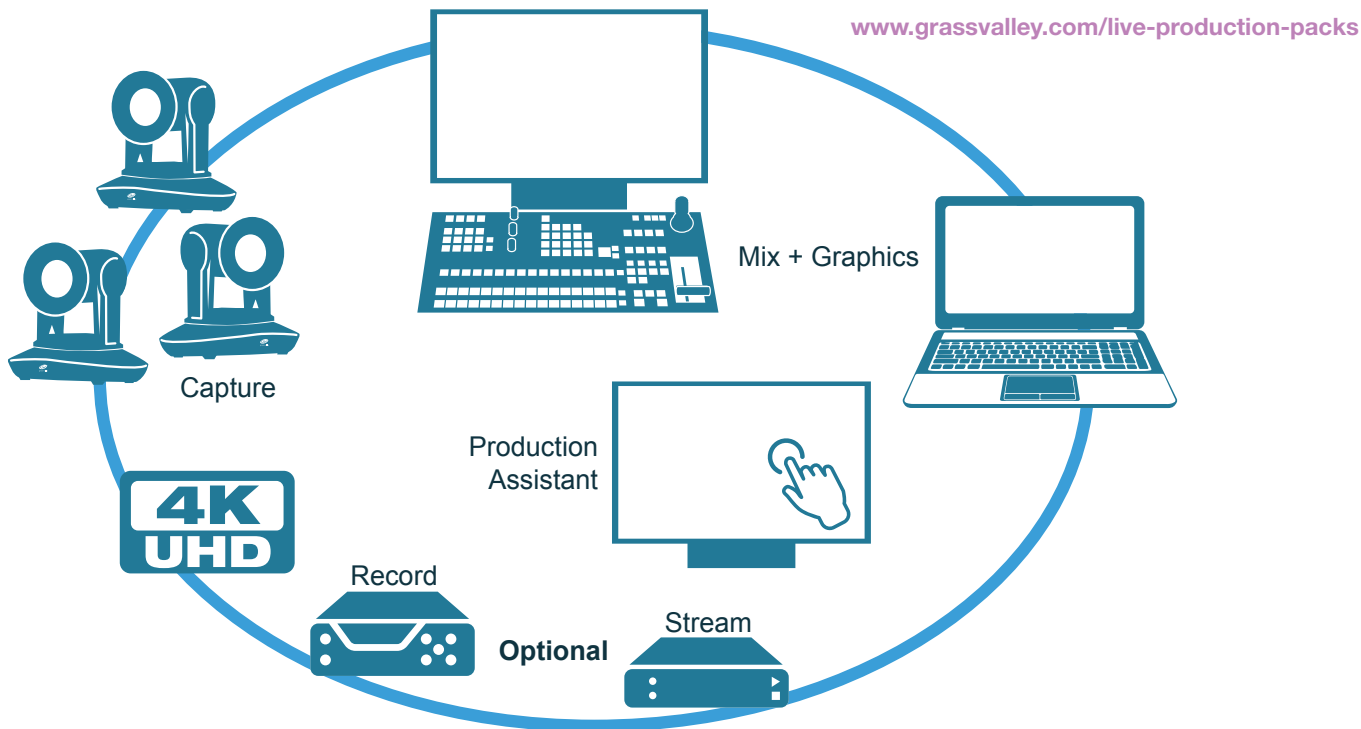
### GV Pace Production Assist software (24 month subscription)

GV Pace is a production automation control environment that simplifies unscripted productions to allow a single operator to execute and manage a high-quality, multilayered professional show — all from a tablet— without sacrificing content quality. Control all the production equipment from an easy-to-use, personalized touchscreen UI with the option to execute multiple actions from a single event trigger. User-defined preset buttons allow even the most inexperienced user to provide a quality presentation when the resident expert is unavailable.

[Additional information](#)

### GV Pace Software-as-a-Service (SaaS) model

GV Pace software supplied with this bundle comes with the necessary license options for operation. It's easy and straightforward to commission in a matter of minutes. Key features include, HTML5 interface, Integrated Event Builder and Hotkey Button Panel (User definable with custom labels).



**RECORD AND STREAMING KITS**

**Option 1 — AJA Ki Pro GO Recorder and HELO HD Streaming Appliance**

**Multichannel H.264 Recorder**

Ki Pro GO is a portable multichannel H.264 recorder offering up to four channels of simultaneous HD and SD recording to off-the-shelf USB drives with redundant recording capabilities, including recording to network storage.

4x 3G-SDI and 4x HDMI digital video inputs with flexible channel assignments. Incoming video sources do not have to be genlocked due to Ki Pro GO's input frame syncs. Ki Pro GO also features high quality de-interlacing on each input so progressive recordings can be made from interlaced inputs.

[Additional information](#)



**H.264 Streaming and Recording Appliance**

HELO is a powerful H.264 streaming and recording standalone appliance. HELO brings both SDI and HDMI I/O into a single appliance with the ability to simultaneously stream out to your Content Delivery Network (CDN) as well as encode and record beautiful H.264 files to either SD, SDHC or SDXC cards, USB storage or NFS or CIFS mounted network-based storage simultaneously.

[Additional information](#)



## RECORD AND STREAMING KITS

### Option 2 (Windows OS) or Option 3 (Mac OS) — AJA Ki Pro GO Ultra 12G Recorder and BRIDGE LIVE UHD Streaming Appliance

#### 12G-SDI 4K/UHD/HD Recorder and Player /Multichannel HD Recorder

Ki Pro Ultra 12G is a multichannel Apple ProRes recorder offering up to four channels of simultaneous HD recording, or in single-channel mode, a 4K/ UltraHD/2K/HD Apple ProRes or Avid DNxHR recorder and player. Avid DNxHD MXF is also supported up to HD formats in single-channel mode.

12G-SDI single cable simplicity is offered for large rasters up to full 4K, (the 4x 3G-SDI inputs/outputs can be used for quad link operations as required) and HDMI 2.0 digital video connectivity with HDR support for both recording and playback.

[Additional information](#)



#### Multichannel Live Video Contribution, Streaming and Delivery

BRIDGE LIVE is a turnkey solution built for critical live video applications with high-performance SDI and stream-based encoding/decoding/ transcoding, flexible multichannel 12G-SDI I/O, comprehensive metadata and closed caption support, and all within a compact 1 RU form factor with redundant power supplies. It has been designed to support both low-latency and high-quality workflows across a range of codecs, containers and protocols.

[Additional information](#)



## ORDERING

### LIVE-PROD-PKG-7

Live Production Pack 7 with cameras, switcher, graphics and production control

#### Includes:

##### Cameras:

3x PTZ 35X HD Camera 35x Zoom

##### Switcher:

1x Kula 4K UHD 1 M/E HD System

##### Graphics:

1x RT Software Swift Graphics package. 12-month subscription

##### Production Assist:

24x GV Pace Pro level unscripted automation solution. 24-month subscription.

Includes: GV Pace button panel with one configurable page, one page of audio fader support, switcher control panel, three user profiles.

**Note:** all cameras include fiber adapter, tripod adapter plate, OCP, PSU and XCU

### Options

#### LIVE-PROD-PKG-OPT1

HD Record and Stream Kit

#### Includes:

##### Recorder:

1x AJA Multichannel H.264 Recorder

##### Streaming Appliance:

1x AJA H.264 streaming/recording appliance  
Bridge Live maintenance agreement  
Bridge Live J2K option

#### LIVE-PROD-PKG-OPT2

UHD Record and Stream PC Kit

#### Includes:

##### Recorder:

1x AJA Ki Pro Ultra 12G Recorder

1x 1 TB PC storage for Ki Pro Ultra 12G

Note: Mandatory for UHD, optional for HD – Windows formatted: 1x PAK1000-X3 + 1x PAK-DOCK-R0

##### Streaming Appliance:

1x AJA Bridge Live streaming appliance

#### LIVE-PROD-PKG-OPT3

UHD Record and Stream Mac Kit

#### Includes:

##### Recorder:

1x AJA Ki Pro Ultra 12G Recorder.

1x 1 TB Mac storage for Ki Pro Ultra 12G

Note: Mandatory for UHD, optional for HD – Mac formatted: 1x PAK1000-X3 + 1x PAK-DOCK-R0

##### Streaming Appliance:

1x AJA Bridge Live streaming appliance

Other recording and streaming options may be available from AJA. Please consult your nearest AJA reseller for more details: [www.aja.com](http://www.aja.com)

Additional drives for Ki Pro recorders (increase storage time)

Additional Pak Docks for Ki Pro recorders

DS-PUB-2-0994A-GOV



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