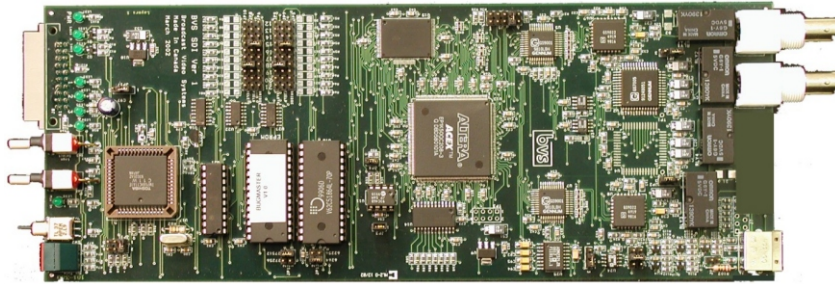




# DSA-100 SDI SAFE AREA/GRATICULE GENERATOR



- 4:3, 16:9, 14:9 safe title, safe action
- LCD readout indicates all selections and parameters
- Variable rectangle with continuous aspect ratio readout
- Center cross, 3 sizes, plus variable position with continuous location readout
- V & H active video markers
- Any mix of aspect ratios, safe action, safe title, active video markers, and center cross may be selected
- Simple button-per-function operation: no tedious menus to navigate
- All graticules independently switchable, black or white
- Variable luminance level of white graticules (10% to 100%)
- Letterbox and side panels may be blanked (4:3, 16:9, 14:9 or user adjustable)
- Actual line number readout of start and end of active video on all letterbox patterns
- Ten custom patterns may be stored in non-volatile memory
- Automatically switches between 525 and 625 line operation
- Front panel may be removed and remoted up to 200 ft.
- Choice of 1RU or 5"x7" desktop remote panel included



## SPECIFICATIONS

### VIDEO INPUT

Signal type.....	SDI, SMPTE 259M (ITU-R 601), 270 Mb/s
Connector.....	BNC, 75 ohm
Level.....	800 mV, +/- 10%
Return loss.....	> 15 dB, 5 MHz to 270 MHz
Auto input equalization.....	up to 100 meters (325 ft.), Belden 8281 cable
Line standard.....	525/625, auto select

### VIDEO OUTPUT

Signal type.....	SDI, SMPTE 259M (ITU-R 601)
Connector.....	BNC, 75 ohm
Level.....	800 mV, +/- 10%
Factory set graticules.....	safe action: 90% of active video / safe title: 80% of active video

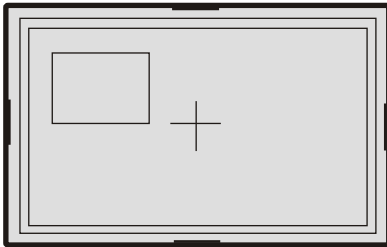
Specifications subject to change without notice.

## **broadcast video systems corp.**

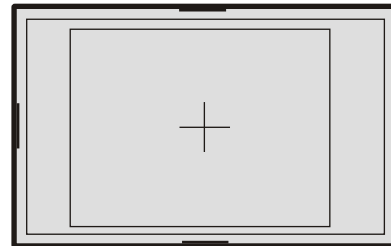
10 Woltner Way, Markham, Ontario L3R 4R4  
Ph(905)305-0565 Fax(416)946-1964 E-mail: [bvs@bvs.ca](mailto:bvs@bvs.ca) Website: [www.bvs.ca](http://www.bvs.ca)

**Some examples of the various graticules and patterns generated by the DSA-100:**

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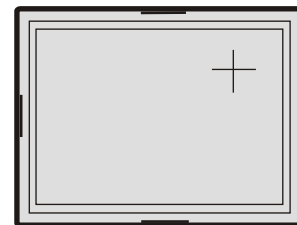
- 16:9 PICTURE ON 16:9 MONITOR
- 16:9 SAFE TITLE, SAFE ACTION, CENTER CROSS
- 16:9 ACTIVE VIDEO, VARIABLE RECTANGLE



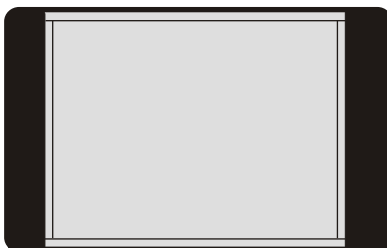
- 16:9 PICTURE ON 16:9 MONITOR
- 4:3 SAFE TITLE
- 16:9 SAFE ACTION
- 16:9 ACTIVE VIDEO MARKERS
- CENTER CROSS



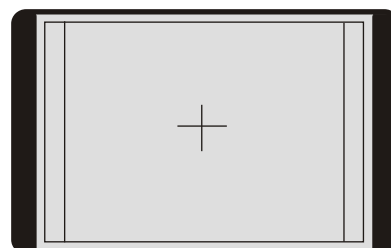
- 16:9 PICTURE ON 4:3 MONITOR
- 16:9 SAFE ACTION, CENTER CROSS
- LETTER BOX BLANKED



- 4:3 PICTURE ON 4:3 MONITOR
- 4:3 SAFE ACTION, SAFE TITLE
- 4:3 ACTIVE VIDEO MARKERS
- POSITIONABLE CROSS



- 16:9 PICTURE ON 16:9 MONITOR
- 16:9 SAFE ACTION
- 4:3 SAFE ACTION
- SIDE PANELS BLANKED TO 4:3
- 16:9 HORIZ. SAFE ACTION APPEARS WHEN SIDE PANELS UNBLANKED



- CUSTOM PATTERN
- 16:9 PICTURE ON 16:9 MONITOR
- 14:9 SAFE ACTION
- SIDE PANELS BLANKED TO 14:9
- 4:3 SAFE ACTION
- CENTER CROSS