

Studer Vista BRAVO

12 motorized faders with access to 120 full fader strips



The Vista BRAVO combines a Studer Vista audio mixing console with advanced DSP as part of the BRAVO Studio production suite. Vista BRAVO's feature set allows it to handle the widest range of applications, small OB and ENG vans, small studios, mobile and remote productions. Allows for ST2110 AoIP integration by adding the 570EMR, 9821EMR or D23 audio gateways.



Integral I/O

The Vista BRAVO Digital Mixing System has one integrated 64-channel MADI I/O audio-only port, and 2 compact I/O modules that are 2 slots populated for 16-channel HQ Mic/line-in with 24-Bit A/D and 16-channel line out that use 24 Bit DAC.

Additional expansion is possible, Vista BRAVO uses Studer D21m I/O to enable a scalable, high-density 24-bit 48kHz audio system. Optional D21m I/O cards are available in popular formats and protocols - for example:

- 4-channel D-type Mic/Line In with 4 Direct Outputs
- 8-channel D-type Line In
- 8-channel D-type Line Out
- 8-channel D-type AES/EBU In/Out *
- MADI, a max. 128 channels of I/O
- 8 to 16-channel SDI (SD/HD/3G) In or I/O

Although Vista BRAVO is part of the BRAVO Studio production suite it is still a standalone Audio mixer, just like the rest of the Studer Vista consoles. With increased popularity in fixed and mobile broadcast facilities, most engineers will already be familiar with the operation of the console, but new users will find themselves easily assimilating the Vistonics™ user interface.

Features & Benefits

- 12 motorized faders, with Studer FaderGlow™
- Desk operator headphone
- Up to 216 input sources and 216 output destinations
- DSP capable of approx. 140 MEQ*, Including true mono, stereo and surround paths
- Controls integrated into VUE for remote operations
- Broadcast monitoring, talkback, red light control and 8 general-purpose control I/O
- Input level and gain reduction LED bargraph meter
- Optional Meter Display
- Full mix-minus (n-x) system for live two way operations
- Integrated jingle player playback of 8 different station identifier clips, background or audio from jingle stick/USB memory device
- Virtual Vista Online/offline editor
- Outstanding Theatre CUE list and Snapshot automation
- Ember & Probel protocol support
- Redundant PSU
- Studer's RELINK input/output sharing system allows sharing with other Studer Vista consoles

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Specifications

HQ Mic/Line Input Module:

General Conditions: Gain Setting 15
dBu 0 dBFS unless
otherwise noted

Input Impedance: 3.6k Ω
(electronically balanced)

Gain: -11 to +75dB for 0 dBFS
(adjustable in steps
of 1 dB)

Maximum Input Level:
-11 dB gain, $R_{source} = 600 \Omega$: +26dBu
0 dB gain, $R_{source} = 150 \Omega$: +15dBu

Frequency Response:
20Hz to 20 kHz, 40 dB gain: +0/-0.9dB
30Hz to 20 kHz, 40 dB gain: +0/-0.6dB

THD + Noise:
1kHz, -1 dBFS: <-87dB
1kHz, -9 dBFS (nominal level): <-94dB
20Hz to 20kHz, -30 dBFS: <-102dBFS

Equivalent Input Noise/Noise Figure (NF):
-127.6dBu/NF=2 @
 $R_i = 200 \Omega$, gain = 60 dB

Crosstalk: <-100dB @ 1 kHz

Input Delay: 12 samples, 250 μ s
@ 48kHz

Common Mode Rejection Ratio (CMRR):
30 Hz to 20 kHz, all gain settings: >46dB
1kHz, -11 dB to +26 dB gain: 60dBtyp.

Line Output Module:

Output Impedance: 50 Ω
(electronically balanced)

Frequency Response:
20 Hz to 20 kHz: +0dB/-0.3dB

THD + Noise:
-1 dBFS, 1 kHz -90dB
-30 dBFS, 20 Hz to 20 kHz: -103dB

Crosstalk: -115dB @ 1kHz

Output Level: +6 to +24dBm for 0 dBFS
@ $R_L = 600 \Omega$

Output Delay: 10.4 samples, 217 μ s
@ 48kHz

AES / EBU Input / Output Module:
Input / Output Impedance: 110 Ω
Input Sensitivity: minimum 0.2 VRMS
Output Level: 4.0 VRMS into 110 Ω
THD + Noise: maximum -115dB
SRC Range: 22 - 108kHz

Power Supply:

Primary Input Voltage Range:
100 to 240V AC $\pm 10\%$ -
50 to 60Hz Power supply
auto-ranging, with power
factor correction (PFC);
EN/UL approved

Power Consumption:
160 watts typ.,
200 watts peak

Ambient Conditions:
Operating Temperature Range:
-5 to 45 $^{\circ}$ C / 23 to 113 $^{\circ}$ F
Relative Humidity: 95% non-condensing

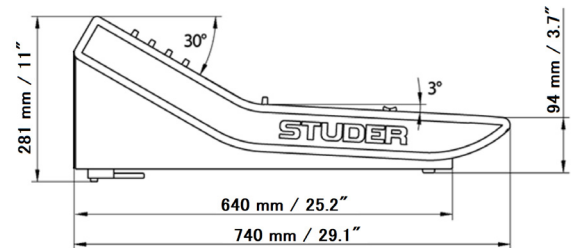
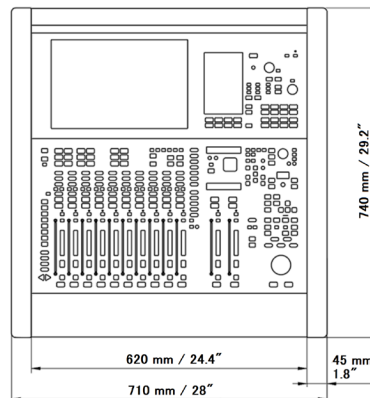
Physical:

Dimensions:
Top: 29.2" x 28" x 24.4" x 1.8"
Side: 11" x 29.1" x 25.2" x 3.7"

Added benefit is compact footprint, but the Vista BRAVO is still fully-equipped to handle large numbers of sources and feeds, along with full surround management, integral interfacing capabilities to numerous source formats including SDI, AES, Dante, MAD1 and more. The integral audio router functionality means that systems may be much more closely integrated and controlled than before.

In addition to the standard functionality, the input channels provide several broadcast live production specific features. Dedicated buttons for talkback (e.g. to Direct Out, N-1 etc.) and for user probable functions provide more flexibility and ease during live operation. Dedicated Matrix busses can be configured which suites the fixed install application but can also offer a fast and easy method of handling complex headphone feeds in a broadcast environment. 16 dedicated Mute Groups are also available.

Vista BRAVO boasts many of the full featured Vista, CUE- base productions, Enhances Theatre Cue Lists, Character/Actor Library Events, House of worship specific (HoW) work flows.



Ordering Information

VISTA-BRAVO-12F

12 Fader Digital Mixing System. 2 trusted compact IO module slots come populated for 16ch HQ Mic/line-in and 16Ch line out. For bulk audio connections there is a 1x1 integrated AES10/Madi audio-only port and a 1x dual D21m card slot (intended use for connection to a stage box with audio controls).

Ordering Options:

- *Contact factory for optional Meter bridge option
- *Contact factory for d21m expiration IO options