

Distribution Amplifiers

Kramer Electronics has a full line of Distribution Amplifiers, ranging from the new full Broadcast **BC-1044N** or **BC-1053** to the compact **VM-3** series.

Some are Audio/Video DAs, and some are Video or Audio only. The **VM-3** and the **50** series DAs can be used in field operation, as they are fed from a 12V DC power supply (car or belt battery).

The group is divided into three major families:

Broadcast level, 19-inch rack-mount DAs.

The Distributors in this family have full broadcast specifications. The video amplifiers excel in large bandwidth (some DAs have bandwidths of over 300 MHz) and extremely low differential gain and differential phase factors. They are all housed in rack-mountable enclosures.

Industrial level, 19-inch rack-mount DAs.

The Distributors in this family have full industrial specifications. Most of them are video/audio amplifiers, offering a simple and economic solution for every video/audio application. The video bandwidth of the DAs is excellent - reaching 100 MHz and more. They are all housed in rack-mountable enclosures.

Industrial level, desktop size DAs.

The Distributors in this family have full industrial specifications. Most of the amplifiers are either video or audio amplifiers, and all occupy very small desk space. The video bandwidth of the DAs is excellent - some reaching 350 MHz and more.

Some features:

- ❖ Low crosstalk between outputs.
- ❖ Wide bandwidth, low noise amplification.
- ❖ Designed for unattended 24-hour operation.
- ❖ Most DAs have looping inputs for creating large systems.
- ❖ All distributors may be used for component distribution.
- ❖ Most DAs offer the choice of AC or DC video coupling for the largest flexibility.

Applications:

- ❖ Duplication studios, industrial and broadcast.
- ❖ Security applications, CCTV and surveillance.
- ❖ Graphics distribution in a Workstation environment.
- ❖ Schools, where educational material is distributed to several classrooms.
- ❖ Showrooms, shops and point-of-sale, where one video source is displayed on several monitors.
- ❖ Long distance video line compensation and amplification.

Broadcast level, 19 inch rack mount DAs:

Model	Inputs	Outputs	Bandwidth	Remarks
BC-1005	1 x CV	5 x CV	110 MHz	Looping CV/Component DA with user selectable clamping.
BC-1010	2 x CV	1 x 10 or 2 x 5	116 MHz	Looping programmable DA, with user selectable AC or DC coupling.
BC-1110	2xAudio (Bal.)	1 x 10 or 2 x 5	100 kHz	Looping programmable balanced Audio DA.
BC-1210	1 x AV	10 x AV	90 MHz	Looping Video - Audio Stereo DA.
BC-1410	1 x AV Balanced	10 x AV	70 MHz	Looping Video / Balanced Audio Stereo DA.
BC-1020	1 x CV	20 x CV	66 MHz	Looping CV/Component DA with user selectable clamping.
BC-1042	4 x CV or RGBS	2 x 4 CV / RGBS	200 MHz	Looping Component / CV DA.
BC-1043N	4 x CV or RGBS	3 x 4 CV / RGBS	330 MHz	Component / CV DA.
BC-1044N	4 x CV or RGBS	4 x 4 CV / RGBS	320 MHz	Looping Component / CV DA.
BC-1053	5 x CV or RGBHsVs	3 x 5 CV / RGBHsVs	330 MHz	Component / CV DA.

Industrial level, 19 inch rack mount DAs:

Model	Inputs	Outputs	Bandwidth	Remarks
VM-5ARN	1 x AV	5 x AV	83 MHz	Looping CV / Component / Audio Stereo, with AC or DC coupling.
VM-10ARN	1 x AV	10 x AV	95 MHz	Looping CV / Component / Audio Stereo, with AC or DC coupling.
VM-20AR	2 x AV	1 x 20 or 2 x 10	90 MHz	Looping CV / Component / Audio Stereo programmable DA.
VM-50R	1 x CV	50 x CV	50 MHz	Looping Video DA.
VM-50A	2 x Audio / Balanced	52 Mono / 26 Stereo	20 kHz	Stereo / Mono Balanced / Unbalanced audio DA (formerly named BC-1525).
VM-305N	3 x CV / Component	15 or 3 x 5	110 MHz	Looping CV/Component / Audio Stereo programmable DA.
SV-5N	1 x Y/C -CV / Audio	5 x Y/C - CV / Audio	90 MHz (Y)	Looping Y/C - CV - Audio Stereo DA + the ability to convert from Y/C to CV.
SV-10N	1 x Y/C -CV / Audio	10 x Y/C - CV / Audio	50 MHz (Y)	Looping Y/C - CV - Audio Stereo DA + the ability to convert from Y/C to CV.

Industrial level, Desktop size DAs:

Model	Inputs	Outputs	Bandwidth	Remarks
VM-3L	1 x CV	2 x AV	370 MHz	Looping-input CV Line amplifier with controls and 12VDC feed.
VM-9S	1 x AV	2 x AV	84 MHz	Looping CV/Audio Stereo Line amplifier with controls for video & audio.
VM-42	4 x CV	4 x 2 + 1 CV	200 MHz	Programmable CV DA + 4 x 1 Vertical Interval switcher (for preview).
VM-3V	1 x CV	3 x CV	60 MHz	12 VDC feed, mini Video DA.
VM-3S	1 x Y/C	3 x Y/C	60 MHz (Y)	12 VDC feed, mini Y/C Video DA.
VM-3C	1 x Y/C	2 + 1xCV	120 MHz (Y)	12 VDC feed, mini Y/C Video DA + Y/C to CV encoder.
VM-3M	1 x Mic	3 x Line	20 kHz	12 VDC feed, mini Microphone DA.
VM-3AB	1 x Audio Stereo	3 x Audio Stereo	20 kHz	12 VDC feed, mini Audio Stereo / Balanced Mono DA.
50VN	1 x CV	5 x CV	60 MHz	12 VDC feed, looping compact Video DA.
50SN	1 x Y/C	5 x Y/C	80 MHz (Y)	12 VDC feed, looping compact Y/C DA.
50A	1 x Audio Stereo	5 x Audio Stereo	20 kHz	12 VDC feed, looping compact Audio DA.
50H	1 x Stereo Phones	5 x Stereo Phones	20 kHz	12 VDC feed compact Stereo Headphones DA.
VM-6NS	1 x AV / SDI	5 x AV / SDI	350 MHz	CV / SDI (Serial) / Audio Stereo compact DA with AC/DC coupling.
AD-5N	1 x Audio Stereo / Balanced	5 x Audio Stereo / Balanced	20 kHz	Balanced/Unbalanced Amp + converter with level controls and Mic input option.
80A	2 x Audio Balanced Stereo	2 x 4 Balanced Stereo	20 kHz	Balanced Stereo-Audio Amplifier 1:8 or 2 x 1: 4, with front controls. Two machines can be placed side by side in one 19 inch, 1U enclosure.
80V	2 x CV	2 x 4 CV	330 MHz	Looping 1:8 or 2 x 1:4 Video / Component DA. Two machines can be placed side by side in one 19 inch, 1U enclosure.
VM-10AN	1 x AV	10 x AV	77 MHz	Looping Video / Audio Stereo DA, with AC/DC coupling option.