

DGN

VGA-UXGA distribution amplifiers

- ▶ **All resolutions up to and exceeding 1920*1200**
- ▶ **Gain and peaking selectable for long cables**
- ▶ **Excellent quality, compact size**
- ▶ **Multiple inputs/outputs combinations**

Designed to suit all needs in distribution of VGA type video signals, **DGN-xx** equipments offer 350MHz of RGB bandwidth to maintain signal integrity with all resolutions, individually buffered outputs for the best quality on all destinations, and a booster capability to compensate losses in long cables.

The housing concept allows an almost unlimited flexibility : in a single rugged aluminum enclosure, we could propose one or multiple 2 to 16 output distribution amplifier.

The included universal mounting brackets allow easy installation everywhere: in a traditional 19" rack, underneath or above any surface.



Technical specifications:

- **Input**
 - Connector : 15-pin HD female VIDEO
 - Input : 0.7Vpp nominal, 2Vpp max
 - Impedance : 75Ω, DC coupled
 - SYNC
 - Input : 0,5V to 5V pp
 - Impedance : 10kΩ, DC coupled
- **Outputs:**
 - Connectors : 15-pin HD female
 - Each output has his own buffer
 - VIDEO
 - Gain : 0 dB ± 0,2 dB
 - SYNC
 - Output level : 4,5V / 22Ω
 - Rise/fall time : 25ns
 - ID Bits
 - Passed through to first output (local monitor)
- **Indications :**
 - Bandwidth : 350 MHz (3dB)
 - With boost ON:
 - Gain = +1 dB
 - HF : +6dB @ 100MHz
 - Power on LED
 - Input signal LED

Technical specifications (cont.):

Their innovative housing concept is based on an aluminum profile cut to the right length. This allows to use the equipment as a small light weight desktop device or, using the optional brackets, to fix it underneath any surface, to install it vertically on a rear rail of any 19" enclosure (as the spacing of the fixing holes is a multiple of the rack unit). An other option allows to deliver any product of this series in full 19" 1RU format for a traditional installation.

- physical**

- All housing parts are made from aluminum
- Optional mounting brackets
- Dimensions: 42mm (height) x 70mm (depth)

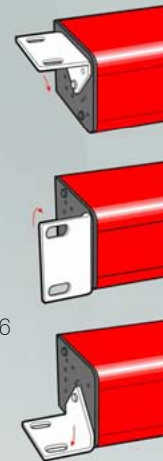
Width depends on model type as follows

2RU	95 mm	DGN-02				
3RU	140 mm	DGN-04				
4RU	184 mm	DGN-02x2	DGN-06			
5RU	228 mm	DGN-08				
6RU	273 mm	DGN-02x3	DGN-04x2	DGN-10		
7RU	317 mm	DGN-12				
8RU	362 mm	DGN-02x4	DDN-06x2	DGN-14		
19"	432 mm	DGN-02x5	DDN-04x3	DGN-08x2	DGN-16	

Add an additional 50mm when using the brackets

All models may be ordered in 19" housing (option /19)

- Power: +9V ($\pm 5\%$), 0.1 – 0.8A depending model type
- Power supply (included)**
 - Wide input: 100 – 240Vac, 50 - 60Hz
 - IEC 320 C8 mains inlet, can be delivered with country specific power cord
 - +9V 1A



Order information

Inputs Type	Inputs				
	1	2	3	4	5
1 ⇔ 2	DGN-02	DGN-02x2	DGN-02x3	DGN-02x4	DGN-02x5
1 ⇔ 4	DGN-04	DGN-04x2	DGN-04x3		
1 ⇔ 6	DGN-06	DGN-06x2			
1 ⇔ 8	DGN-08	DGN-08x2			
1 ⇔ 10	DGN-10				
1 ⇔ 12	DGN-12				
1 ⇔ 14	DGN-14				
1 ⇔ 16	DGN-16				

The above table gives the most common combinations possible in a single 19" 1RU device. Using multiple cases opens the way to almost unlimited possibilities. The external power supply is included with the reference number

Options:

- /19 19" 1RU housing (including brackets)