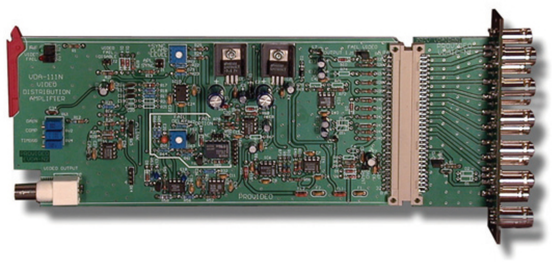
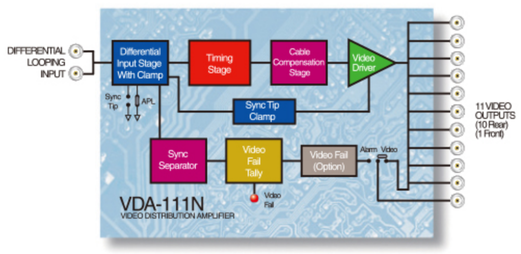
VDA-111N(Video Distribution Amplifier)





VDA-111N Functional Block Diagram

VDA-111N은 50MHz까지의 주파수 대역폭을 갖는 고급형 VDA이다.
특이한 입력신호가 들어 오더라도 유입되는 Hum 신호를 차단하는 기능을 갖고 있으며, 어떠한 조건하에서도 제 성능을 발휘한다. 모두 10개의 출력신호를 제공고, 모듈 전면에 하나의 출력신호를 보내 모니터링할 수 있다.
모듈 전면에서 케이블 길이 300m까지 전 주파수 대역을 등화시키 주는 Multiturn Pot 볼륨이 있으며 Gain조정은 ±6dB까지 가능하다.
Option으로 delay 모듈을 사용하면 phase를 20˚까지 조정할 수 있다.

Features

- 11 outputs(10 to the rear & 1 to the front)
- 30MHz bandwidth
- <0.11˚differential phase and <0.1% differential gain
- Sync tip clamp 0r APL mode delectable
- Video fail indication

Ordering Information

- VDA-111N Video Distribution Amplifier
- WMF-310S 3RU module frame with single power supply
- WMF-310D 3RU module frame with dual power supply
- WMF-102S 1RU module frame with single power

Technical Specification

Input

Connector	2x BNC, 75Ω loop through
Type	Differential hum reducing
Retutn Loss	>44 dB to 5 MHz
Common Mode Rejection	>60 dB 50Hz to 5 MHz
Level	1V p-p

Output

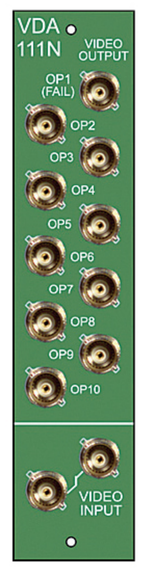
Connector	11x BNC, 75Ω source fed
Return Loss	>45 dB
Output Isolation	>40 dB to 5 MHz
Gain Match	±0.05 dB across all output

Performance

Frequency Res.	±0.02dB to 10 MHz
Differential Gain	<0.1% at 4.43 MHz
Differential Phase	<0.11˚at 4.43 MHx
Line Tilt	<0.5%
Field Tilt	<0.5%
Gain Range	±6 dB
Timing Range	20˚ at 4.43 MHz
Cable Compensation	Up to 300m 10 Hz to 5 MHz

Mechanical

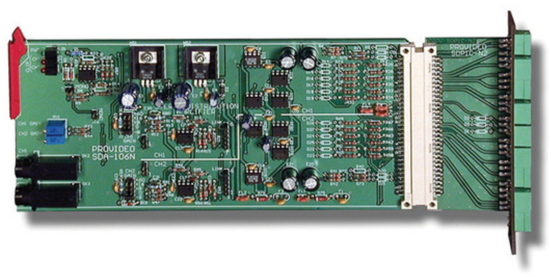
Euromodule size	220(W)×100(H)mm

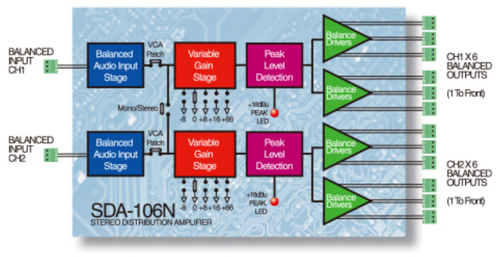


Rear panel

Note : Specifications are subject to change without notice

SDA-106N(Audio Distribution Amplifier)





SDA-106N Functional Block Diagram

SDA-106N은 고품질, 저잡음의 앰프로 동작되는 방송용급으로 설계되었다.
출력회로는 CH 1, CH 2 각 5개이며, 모듈 전면에 하나의 출력 신호를 보내 모니터링할 수 있다.
모듈 전면에서 출력 채널별로 Multi turn pot 보륨으로 ±6 dB까지 Gain조정이 가능하다. 5단계 Jumper를 이용하면 Gain을 -14 dB에서 최대 +66 dBu까지 조정할 수 있다.

Features

- 6 Stereo outputs(5 to the rear & 1 to the front)
- Input level between -66 dBu to +38 dBu
- Front clip LEDs for both channel
- Excellent transfer characteristic
- ±6 dB front gain control for both channel

Ordering Information

- SDA-106N Audio Distribution Amplifier
- WMF-310S 3RU module frame with single power supply
- WMF-310D 3RU module frame with dual power supply
- WMF-102S 1RU module frame with single power

Technical Specification

Input

Connector	2 x PHX 3 pin balanced, >25 kΩ Bridging or 600Ω(option)
CMRR	>84 dB at 50 Hz , >82 dB at 20 KHz
Level	Normal +4 dBu, Max. +24 dBu

Output

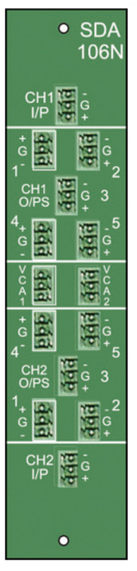
Connector	6x Stereo PHX 3 pin balanced, 45Ω each
Level Normal	+4 dBu, Max. +24 dBu
Output Isolation	>74 dB, 20 Hz to 20 KHz, between output
Amp. group	
DC Level	1 mV

Performance

Frequency Res.	±0.1 dB, 20 Hz to 20 KHz
THD+N	>103 dB @+8 dBu, 20 Hz to 20 KHz
Crosstalk	>90 dB to 20 KHz
Distortion	0.004%(SMPTE IMD60)
Gain Range	5 step -8, 0, +8, +16, +60 dB
Gain Control Range	±6 dB

Mechanical

Euromodule size	220(W)×100(H)mm



Rear panel

Note : Specifications are subject to change without notice