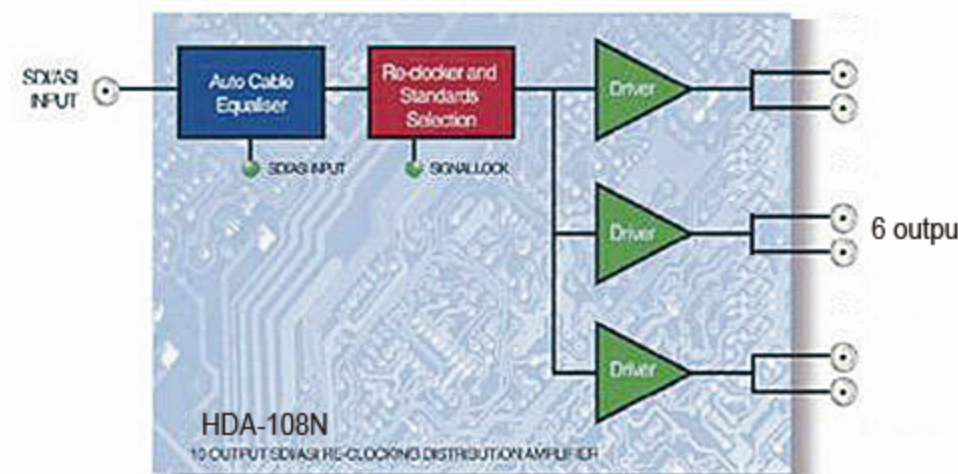
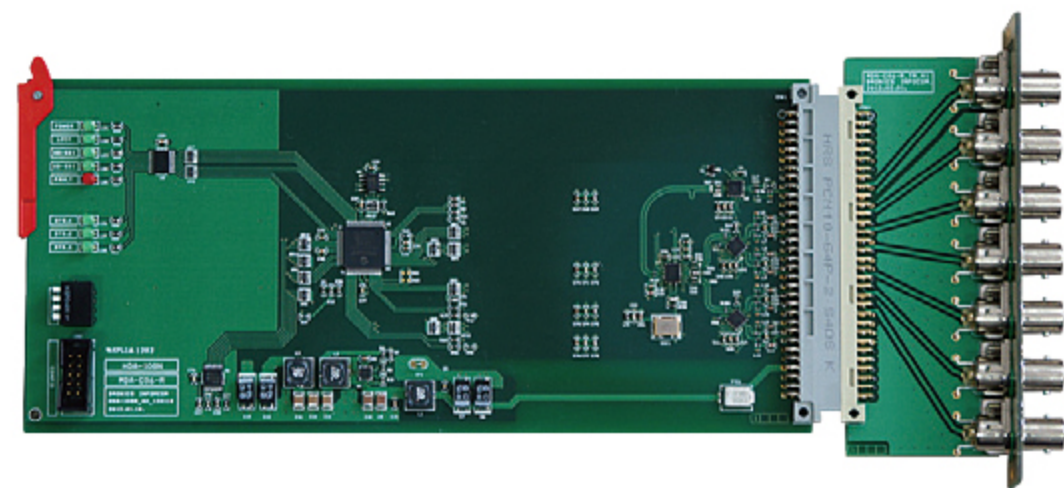


HDA-108N(HD/SD Distribution Amplifier)



HDA-108N Functional Block Diagram

본 증폭기는 Multi Definition 디지털 module로서 270Mbps에서 1,485Gbps HDTV신호까지를 방송 품질로 분배해 준다. Reclocking 분배기의 출력은 6개를 사용할 수 있다. Cable equalizing은 SD신호에서는 300m까지, HD신호에서는 120m까지 자동적으로 처리하며 Reclocking module에서는 SD신호와 HD신호를 자동으로 검출하여 선택해 준다. 표준 Frame에 장착하여 사용하며 Frame에 전원이 공급되어 있는 동안 모듈의 장착 또는 탈착이 가능하다.

Features

- up to 120 meters of 1,485 Gb/s cable equalization
- up to 300 meters of 270 Mb/S Cable equalization
- up to 6 output from one input
- Reclocked outputs remove accumulated input jitter
- Automatic selection of data rates

Ordering Information

- | | |
|------------|---|
| • HAD-108N | HD/SD Reclocking 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 supply |

Technical Specification

Input

Connectors	75 Ω BNC
Return loss	> 20dB from 5MHz to 270MHz
	> 15dB from 5MHz to 1,485GHz
Equalization	> 100m at 1,485Gb/s

Output

Connectors	75 Ω BNC
Level	800mV p-p $\pm$ 10% per SMPTE 292M
DC Offset	0.0V $\pm$ 0.5V

Rise and Fall

<400ps at 270 Mb/s, <220ps at 1,485 Gb/s

Performance

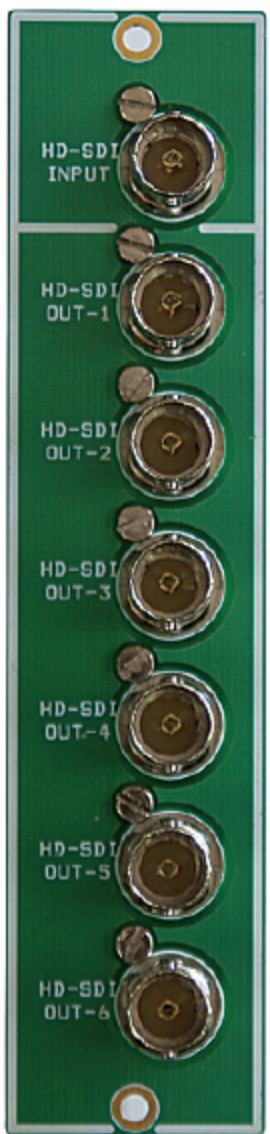
Video Format &
Data Rates
Processing

Serial digital(SDI) @ 270 Mb/s
Serial digital(HDTV) @ 1,485 Gb/s
Reclocking

General

Rack Frame
Power Supply

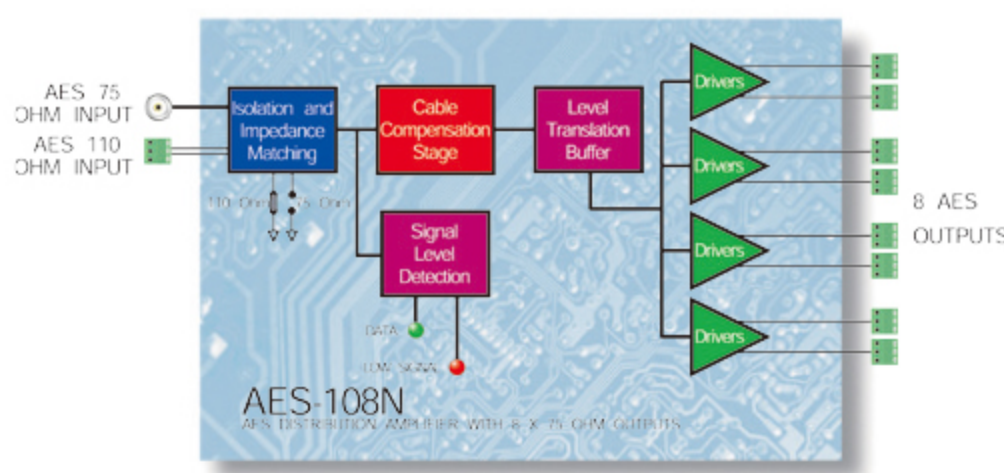
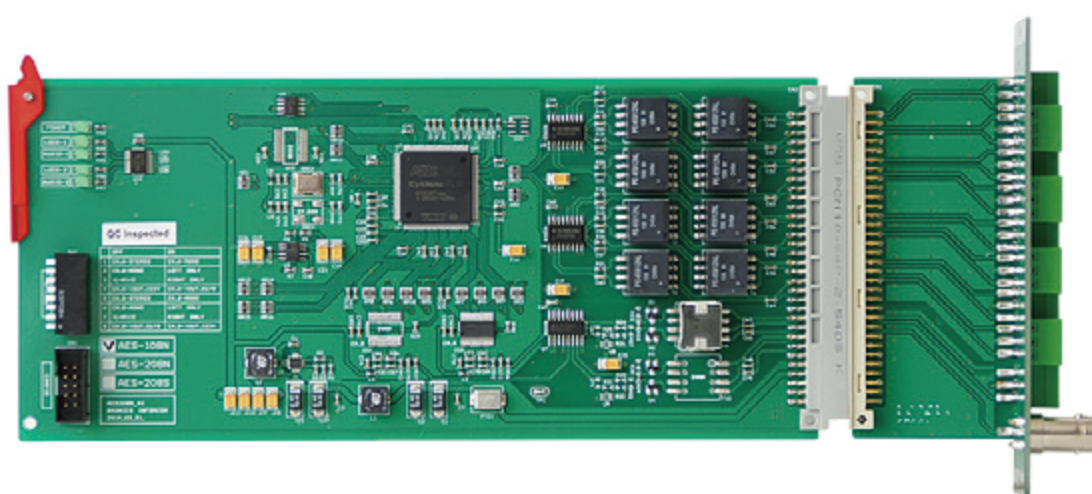
WMF-310D/WMF-310S,WMF-102S
WPS-310F



Rear panel

Note : Specifications are subject to change without notice

AES-108N(AES Digital Audio Distribution Amplifier)



AES-108N Functional Block Diagram

AES 디지털 오디오 분배 증폭기로서, 디지털 오디오 입력 신호를 입력 받아 디지털 오디오 출력 신호로 분배한다. 입력 채널은 Reclock 기능이 있어, 출력 신호에서 발생하는 JITTER 성분을 최소화 한다. 모노 출력 기능을 가지고 있어, 별도의 디지털 오디오 처리장치를 사용하지 않고, 모노방송(L/2 + R/2)이 가능하고, 특별한 경우를 대비하여 단일 채널 선택 기능도 가지고 있다.(Left Only , Right Only , L/R Swap)

Features

- Input 1CH / Output 8CH
- Input 110ohm Balanced or 75ohm BNC
- Output
 - 8CH 110ohm Balanced
 - 6CH 110ohm Balanced and 2CH 75ohm BNC
- Lock Detect & Audio Data LED

Ordering Information

- | | |
|------------|-------------------------------------|
| • AES-108N | : Single Channel, 1 to 8 Output |
| • AES-208N | : Dual Channel, 1 to 4 Output |
| • AES-208S | : Sample rate convertor in AES-208N |

Technical Specification

Digital Audio Format AES/EBU and SPDIF

Level

3.0V Balanced
1.0V Unbalanced
Automatic selection of data rates
32KHz ~ 96KHz

Digital Audio Input

Channel	One Channel
Impedance	BNC Unbalanced 75 ohm 3Pin Phoenix Balanced 110 ohm
Sample Rate	32KHz ~ 96KHz

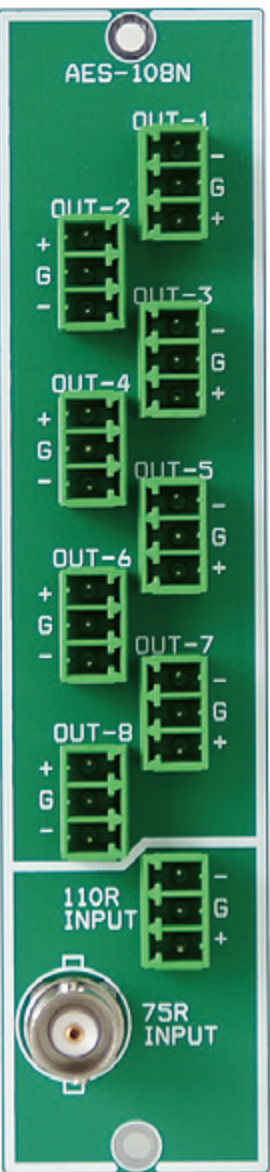
Sample Rate

Power

Voltate	+8 V ~ +12 V
Current	320 mA
Watts	2.5 W

Digital Audio Output

Channel	8 channel
Impedance	BNC Unbalanced 75 ohm 3Pin Phoenix Balanced 110 ohm



Rear panel

Note : Specifications are subject to change without notice