

HEADROOM Broadcast HV2 SA Series Stand Alone E1 Distribution Amplifiers / Splitters

HV2-4u SA, HV2-4s SA, HV2-4u Dual SA, HV2-4s Dual SA, HV2-8u SA, HV2-8s SA, HV2-8u Dual SA, HV2-8s Dual SA, HV2-16s SA

All splitters have a equalizing input ports and a PLL-reclocking circuits for jitter reduction. There are power fail bypass relays from the input to the first output, securing the main route in case of device failure for redundant networks (no single point of failure).

The input port(s) are constantly monitored for loss of signal (LOS) and also configurable to monitoring for loss of frame (OOF) and AIS.

Options

SNMP	Ethernetport (10/100Base-T) for SNMP V.2c monitoring, Trap notification for up to three target IPs AIS/LOF detection configuration
Manual control detection	Front panel switches/push buttons for OOF, AIS
Dual input	Dual input with automatic switchover on signal failure (for splitters with 8 or 16 outputs)
Return splitter	Only with “dual input” option output 1 return contacts will be actively distributed on both inputs or passive in case of power failure (for balanced splitters with 8 or 16 outputs)
Redundant PSU DC	hot swappable, redundant PSUs; AC and/or wide range
Sinus clock input	Sine clock reference signal input instead of HDB3 data (G.703 §10) for clock distribution applications, HDB3 signals on outputs

If neither SNMP nor manual control is ordered AIS and OOF detection is permanently disabled or permanently enabled upon customer request.

Technical data

Size	19" 1RU 260mm depth
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Signal format	E1 according G.703
Inputs	1 or 2 BNC for unbalanced RJ45 for balanced
Outputs	min. 4 and up to 16 BNC for unbalanced RJ45 for balanced
Impedance	75 Ω on unbalanced ports 120 Ω on balanced ports
Detector criteria	LOS - Bit rate 2.048 Mbps HDB3 coded Signal OOF – Subframe acc. G.704 AIS – Alarm Indication signal acc. G.775
Indicators*	LED – power supply ok LED - signal applied o.k. LED – switch position A or B LED - error
Power consumption	max. 6W

Ordering Informations

Devices

HV2-4s SA	RJ45, balanced 1-to-4 splitter
HV2-4u SA	BNC, unbalanced 1-to-4 splitter
HV2-4s Dual SA	RJ45, balanced, dual 1-to-4 splitter
HV2-4u Dual SA	BNC, unbalanced, dual 1-to-4 splitter
HV2-8s SA	RJ45, balanced 1-to-8 splitter
HV2-8u SA	BNC, unbalanced 1-to-8 splitter
HV2-8s Dual SA	RJ45, balanced, dual 1-to-8 splitter
HV2-8u Dual SA	BNC, unbalanced, dual 1-to-8 splitter
HV2-16s SA	RJ45, balanced 1-to-16 splitter
SA-AC	AC PSU for redundant PSU devices
SA-DC	DC PSU for redundant PSU devices

Options

NAME	Description	Availability	Ordering*
HV2-SNMP	SNMP option	all	one per device
HV2-Man	Manual configuration on front panel	all	one per unit
HV2-Sw	Secondary input	-8s,u -16s,u types	one per unit
HV2-Rtn	Return distribution amplifier for 2 inputs	-8s (not dual) -16s	one per unit

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		type		
HV2-2NT	Redundant PSUs (2 PSUs included)	all	one device	per
HV2-T	Sine clock input acc. G.703 §10	HV2-16s	one device	per

*) LED configuration may differ (additional LED for AIS etc.), please ask when ordering

***) one per unit means one for single and two for dual devices