

BrightEye 1612G

12G/3G/HD/SD/ASI Distribution Amplifier

BrightEye 1612G Overview

- High-performance reclocking distribution amplifiers for reliable signal delivery
- Supports 4K/UHD, FHD, SD-SDI, and ASI workflows
- Flexible configurations with BNC coaxial and SFP fiber inputs/outputs

Signal Support & Performance

- Compatible with:
 - 12G, 3G, 1.5G (HD)
 - 270 Mb/s (SD & ASI)
- All signals are:
 - Equalized
 - Reclocked
 - Cleanly distributed to outputs

Ease of Use & Field Functionality

- USB-C (5V, 1.5A) power option for battery packs or standard adapters
- Front panel indicators for:
 - Power status
 - Input signal presence



Key features for BE1612 Distribution Amplifier

- Versatile Integration: Use with video converters and TSGs to increase output capacity.
- Broad Signal Support: Compatible with digital UHD, FHD, and SD signals.
- 3G HD Support: Full support for Level A and Level B.
- ASI Support: DA functionality for ASI signals.
- Audio Integrity: Passes all embedded audio.
- Signal Processing: Includes clock regeneration, jitter reduction, and automatic cable equalization.
- Dual Power Ports: Equipped with both USB-C (5V) and Mini-XLR (12V) inputs.

Available models include:

- 1612G-1C6C - Coaxial Input and Outputs
- 1612G-1C5C1S - Coaxial Input with Coaxial and SFP Outputs
- 1612G-1S6C- SFP Input with Coaxial Outputs- 1612G-1S5C1S- SFP Inputs with Coaxial and SFP Outputs



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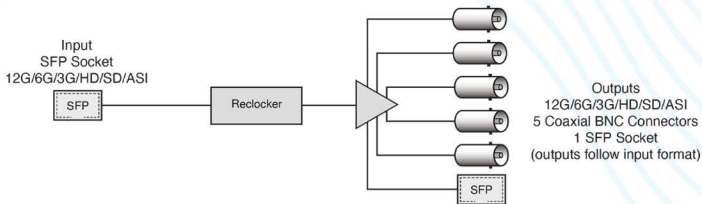
TECHNICAL SPECIFICATIONS

	FUNCTION	BE1612G-1C6C	BE1612G-1C5C1S	BE1612G-1S6C	BE1612G-1S5C1S
INPUT	SDI	1 EA, SERIAL DIGITAL, 12G/3G/HD-SDI/SD-SDI/ASI BNC JACK			
	SFP SDI-12G *			1 EA, SERIAL DIGITAL, 12G/3G/HD-SDI/SD-SDI/ASI SFP	
OUTPUT	SDI	6 EA, SERIAL DIGITAL, 12G/3G/HD-SDI/SD-SDI BNC JACK	5 EA, SERIAL DIGITAL, 12G/3G/HD-SDI/SD-SDI BNC JACK	6 EA, SERIAL DIGITAL, 12G/3G/HD-SDI/SD-SDI BNC JACK	
	SFP SDI-12G *		1 EA, SERIAL DIGITAL, 12G/3G/HD-SDI/SD-SDI/ASI SFP		1 EA, SERIAL DIGITAL, 12G/3G/HD-SDI/SD-SDI/ASI SFP
DIGITAL MEDIA FORMATS	SMPTE-ST 2082M	3840X2160 (23.98/24/25/25.97/30/50/59.94/60P)			
	SMPTE-428.1M	2048X1080P (24/25)			
	SMPTE-425 (3G)	1080P (60/59.94/50/30/29.97/25/24/23.98/30SF/29.97SF/25SF/24SF/23.98SF) 1080i (60/59.94/50)			
	SMPTE-260M	1920X1035i (60/59.94)			
	SMPTE-292M	1920x1080i (50/59.94/60) 1920x1080P (30PsF/25PsF/24PsF/30/25/24)			
	SMPTE-310	DVB-ASI at 270 Mb/s			
	SMPTE-296M	1280x720P (50/59.94/60)			
	SMPTE-259M/C	480i (59.94) 576i (50)			
POWER REQUIREMENT		USB-C 5V & MINI-MLR 12V			
POWER CONSUMPTION		7 W			
OPERATING TEMPERATURE		0°C – 40°C (32° – 104°F)			
WORKING HUMIDITY		10%RH – 85%RH (NON-CONDENSED)			
STORAGE TEMPERATURE		-10°C – 80°C (14° – 176°F)			
STORAGE HUMIDITY		10%RH – 85%RH (NON-CONDENSED)			
WEIGHT		425 G - 15 OZ			
DIMENSIONS (WXHXD)		143 mm x 21 mm x 152 mm			
		5.63" W x 0.8" H x 5.98" D			
ACCESSORY		BEPS-12G – AC/DC ADAPTER AND POWER CORD			
OPTIONS		BERKMT-FULL – RACKMOUNT 6 UNITS PER 1 RU			

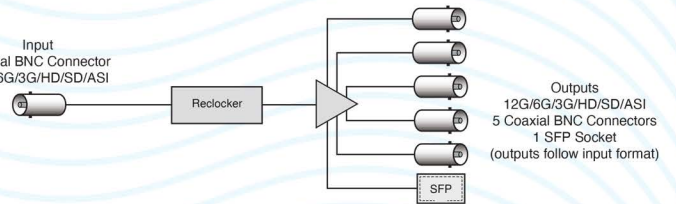
Please note that the technical details shown here are provisional specifications (as of April 2026). The Information is subject to change without notice.

* SFP Module not included

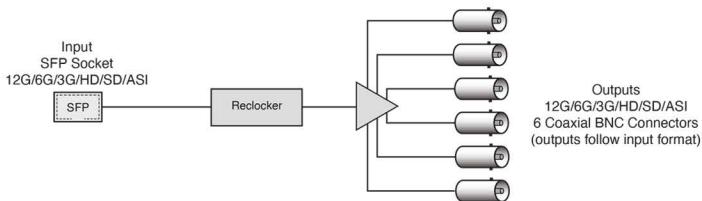
BE1612G-1S5C1S



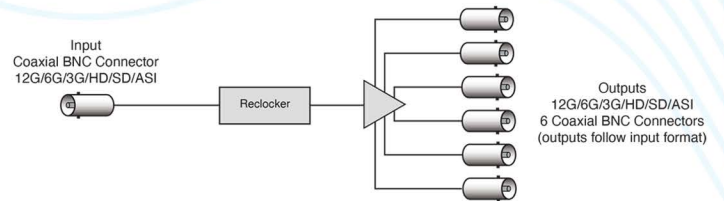
BE1612G-1C5C1S



BE1612G-1S6C



BE1612G-1C6C



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