

# BHDG-20

## Portable HD/SD-SDI Video Generator- HD-SDI,SDI and Dual Link output



BHDG-20은 휴대용 HD/SD Test Pattern Generator로서 정지 및 움직이는 방송급 퀄리티의 패턴을 만들어냅니다. BHDG-20은 audio tone, time code, closed caption 까지도 출력 가능 하며 dual-link로 2k 해상도의 비디오 출력과 genlock을 위한 별도의 옵션 sync 입력까지 제공합니다.

전면부의 LCD창을 보며 4개의  
버튼으로 제어

RS-422 Control을 통한 펌웨어  
업데이트 및 모든 세팅 값 설정

### FEATURES

#### STILL PATTERNS

100% Color Bars  
15% Grey and 25% Grey  
Black  
Black to White Gradient  
Borderline  
Check Field (equalizer / pll)  
Cross Hatch  
Full White, Red, Green and Blue  
Grey Levels -16 bars: Grey/Red/Green/Blue  
Moir?Circle Effect / Zone Plate  
Random Noise  
SMPTE Bar  
Target  
Vertical Lines / Horizontal Lines  
Multiburst  
*Random Generator for all still patterns*

#### MOVING PATTERNS

*Can be combined with still patterns above for hundreds of variations*  
1 or 2 moving squares with  
shape and color change effect  
Full Motion of still pattern  
Snow  
Scrolling Title  
Speed control of motion  
Inverse effect with still pattern

#### AUDIO TONE GENERATOR

1kHz Sine Wave embedded on SDI  
4 Channels on 4 Groups  
Audio Level Settings (8 Values)  
Audio Synchronization Mode

#### CLOSED CAPTION

CC as ancillary data in video stream  
CEA-708 close caption (optional)

#### TIME CODE GENERATOR

TC as ancillary data in video stream  
Drop or Non-Drop Frame  
On Screen Burn in Window

#### VANC GENERATOR

Inserts a counter packet into VANC

### Specifications

#### VIDEO OUTPUT

Two BNC connectors provide either:  
-Two identical serial digital (SDI) outputs  
-Dual Link serial digital output (Y/PbPr/RGB)  
Pair with Dorem's HDVI-20 for DVI output

#### Formats Supported

NTSC & PAL  
720p - 60, 59.94, 50Hz  
1080i / 1080p - 30, 29.97, 25, 24, 23.98Hz  
2048x1080p & sf - 24, 23.98Hz

Standards: SMPTE 125M, 274M, 296M, 372M, 292M  
Bit Rate: 1.485 Gb/s, 1.4835 Gb/s, 270Mb/s  
Resolution: 10bit

#### INTERFACE

Two line LCD with menu controls  
Save settings to memory option

#### OTHER

RS-422 for remote control and firmware upgrades

#### GENERAL

5 - 18 volts (screw-on connector)  
External Locking Power Adapter: 100-240VAC 50-60Hz  
5.4" x 3.7" x .8" (138mm x 93mm x 22mm)

\*옵션 사항

SyncBHDG : BHDG-20 용 Genlock 옵션  
BCEA708-HDG : Closed Caption 옵션



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