



# MASTERKEY™ 7 SDI LINEAR KEYSER



## ***THE MOST VERSATILE SDI LINEAR KEYSER IN THE INDUSTRY***

**The Masterkey 7 is loaded with all the features needed to make it an indispensable toolbox in any digital production environment.**

- SMPTE 259M, ITU-R 601 standard
- 10 bit in and out, 12 bit processing
- 100% linear keying with adjustable transparency
- Full preview output
- Frame accurate mixes, wipes and fade to black
- Internally generated black
- Split screen for source evaluation & color matching
- Key area masking
- User programmable GPI's for mixes, wipes and fade to black
- Safe area graticule generator on preview output (4:3 & 16:9)
- Control panel settings of all modes stored in non-volatile memory
- Failsafe bypass
- Auto timing of program, key and fill
- User adjustable H. positioning of key and fill
- 300 meters automatic cable equalization
- Handles embedded audio
- EDH insertion on program output
- Front panel may be removed and remoted up to 200 ft. (RS-485)
- Choice of 1RU or 5"x7" desktop remote panel
- Adjustable contrast and backlight of LCD status readout
- RS-422/232/485 control port
- Optional 4 input, 2 level key/fill switcher with GPI and memory
- Optional redundant power supply



MASTERKEY is a registered trademark of Broadcast Video Systems Corp.

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# MASTERKEY 7 SPECIFICATIONS

## VIDEO INPUTS: Program, Fill and Key

Signal Type..... SMPTE 259M (ITU-R 601), 270 Mb/s, 10 bit SDI  
Connectors..... BNC, 75 ohm  
Level..... 800 mV, +/- 10%  
Return Loss..... > 15 dB, 5 MHz to 270 MHz  
Auto Input Equalization..... up to 300 meters (984 ft.) Belden 8281 cable  
Auto Timing..... +/- one-half line between inputs  
Line Standard..... 525/625, auto select

## VIDEO OUTPUTS

Program - 2 provided: one of two with failsafe bypass,  
800 mV, 10 bit SDI, EDH inserted, 75 ohm BNC  
Preview - 2 provided: 800 mV, 10 bit SDI, 75 ohm BNC  
Safe area & center cross graticule may be inserted from control panel,  
preset 4 x 3, 16 x 9, or variable

PROCESSING - 12 bit internal  
- self-generated black

DATA CONTROL - RS485 remoteable control panel  
- RS485/232/422 port

GPI - mix/wipe, fade to and from black  
- user selectable between on/off latching, and alternate acting momentary  
- TTL levels

## MECHANICAL AND ELECTRICAL

Dimensions.....  
Weight.....  
Power.....  
1 RU chassis, 1.75" x 19" x 12"  
5.5 lb (2.3 kg)  
90 to 265 V, 50/60 Hz, 15 watts