Genlock Reference Ready

The importance of Genlock for professional VR filmmaking and 360 video productions can’t be overstated. The GEN3-200 is among a few cameras that features built-in true Genlock capability and a team player in a multi-camera array.

KEY FEATURES:

- HDMI
- FULL HD 1080P
- 3G SDI
- SYNC TRI-LEVEL
- EMBEDDED AUDIO
- SMPTE 292M
- SMPTE 424M

APPLICATIONS:

- LIVE PRODUCTION
- WORSHIP
- RACING
- EDUCATION
- SECURITY
MAIN FEATURES

• Full HD Progressive Scan sensor captures sharp and vivid color under different light conditions.
• Advanced digital image processor provides vivid and detailed images by utilizing WDR, White Balance, and Noise Reduction.
• Motion-compensated temporal noise reduction filter leads to effective noise reduction for motion video without blur.
• Tri level sync Gen-lock synchronizes GEN3G cameras and other system components for seamless vertical interval switching between sources.
• 3G/HD-SDI & HDMI seamless video performance.
• Compatible with other industry leading products, conforming with SMPTE 424M/292M standard.
• Self-Adaptive Resolution Feature captures your reference feed instantly.
• Black Level Set-up provides the better color transition from digital to analog.
• Auto White Balance and shutter speed provides the optimized performance in a variety of situations.
• Interchangeable lens design makes it compatible with auto-iris CS and C mount lenses.
• Flawlessly relays embedded audio via SDI & HDMI.
• Built-in OSD controls for customizable image settings.
• Versatile, compact, and rugged design.

SPECIFICATIONS

VIDEO

- **Image Sensor**: 1/3 inch Progressive CMOS
- **Sensor Size**: 5.346mm x 3.003mm (16:9)
- **Effective Pixels**: Horizontal: 1920, Vertical: 1080
- **Pixel Size**: 2.75 μm (H) x 2.75 μm (V)
- **Resolution**: 1080p & 1080i: 1920 x 1080, 720p & 720i: 1280 x 720
- **Resolution Rate**: 1080p: 60p/59.94p/50p/30p/29.97p/25p, 1080i: 60i/59.94i/50i
- **Output**: HD-SDI/3G-SDI (1BNC), HDMI 1.3a
- **Color Space**: 4:2:2 (YCbCr) 10bit
- **Min. Illumination**: 0.2Lux (Day), 0.1Lux (Night), 0.005Lux (Slow Shutter ON)
- **White Balance**: Auto & Manual (9,000 K - 11,000 K)

LENS

- **Lens**: C/CS Mount (Default 4mm HD Lens)

AUDIO

- **Input**: 3.5mm Analog Audio Input through I/O Cable
- **Sample Rate**: 16/24/32 Bits

STANDARD

- **SMPTE**: SMPTE 292M, SMPTE 424M

SYNCHRONIZATION

- **Gen-lock**: External Tri-Level Input

PHYSICAL

- **Camera Control**: RS-486, OSD Button
- **Operation Temp**: 32° F - 104° F
- **Dimension**: 39mm x 39mm x 50.50mm / 1.53” x 1.53” x 1.99” (With default 4mm Lens)
- **Weight**: 180g / 0.39lbs (With default 4mm Lens)
- **Power**: 6W at 12VDC (+9 - +15VDC)

*Specification are subject to change without notice.

PACKAGE CONTENTS

- I/O Breakout Cable
- 4mm Megapixels Lens(Pre-Installed)
- DC 12v Power Supply & Sockets Adapter
- C-Mount Cap Adapter
- Sensor Cap

At AIDA Imaging, innovation is key to crafting our tried and tested quality imaging solutions. We strive to raise the bar by engineering and manufacturing cutting edge cameras and converters. From concept to reality, AIDA Imaging meticulously creates products that are applicable to various solutions, effective for the global user.