

**3G-SDI/HDMI Full HD Gen-lock Camera**

# GEN3G-200

**Professional Broadcast POV Camera**

The GEN3G-200 is a compact HD 3G-SDI Broadcast Camera that produces clear and crisp HD video suitable for use in a broad range of HD video applications. The camera features Self-Adaptive Gen-lock Tri-level Sync, built-in OSD for customizable image settings, and an interchangeable lens design. This makes it compatible with auto-iris CS and C mount lenses and audio input that can relay embedded audio via SDI & HDMI. The GEN3G-200 is the go-to camera for various video production workflows.



**KEY FEATURES:**



**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

<b>Image Sensor</b>	1/3 inch Progressive CMOS
<b>Sensor Size</b>	5.346mm x 3.003mm (16:9)
<b>Effective Pixels</b>	Horizontal: 1920, Vertical: 1080
<b>Pixel Size</b>	2.75 μm (H) x 2.75 μm (V)
<b>Resolution</b>	1080p & 1080i: 1920 x 1080 720p & 720i: 1280 x 720
<b>Resolution Rate</b>	1080 60p/59.94p/50p/30p/29.97p/25p/24p 1080 60i/59.94i/50i 720 60p/59.94p/50p
<b>Output</b>	HD-SDI/3G-SDI (1BNC), HDMI 1.3a
<b>Color Space</b>	4:2:2 (YCbCr) 10bit
<b>Min. Illumination</b>	0.2Lux (Day), 0.1Lux (Night), 0.005Lux (Slow Shutter ON)
<b>White Balance</b>	Auto & Manual (9,000 K - 11,000 K)

### LENS

<b>Lens</b>	C/CS Mount (Default 4mm HD Lens)
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### AUDIO

<b>Input</b>	3.5mm Analog Audio Input through I/O Cable
<b>Sample Rate</b>	16/24/32 Bits

### STANDARD

<b>SMPTE</b>	SMPTE 292M, SMPTE 424M
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### SYNCHRONIZATION

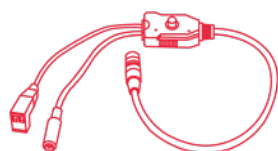
<b>Gen-lock</b>	External Tri-Level Input
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### PHYSICAL

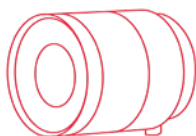
<b>Camera Control</b>	RS-486, OSD Button
<b>Operation Temp</b>	32° F - 104° F
<b>Dimension</b>	39mm x 39mm x 50.50mm / 1.53" x 1.53" x 1.99" (With default 4mm Lens)
<b>Weight</b>	180g / 0.39lbs (With default 4mm Lens)
<b>Power</b>	6W at 12VDC (+9 - +15VDC)

\*Specification are subject to change without notice.

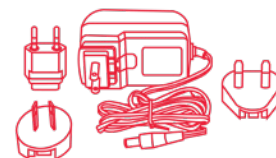
## PACKAGE CONTENTS



I/O Breakout Cable



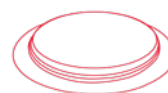
4mm Megapixels Lens (Pre-Installed)



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.