

FULL HD HDMI Camera

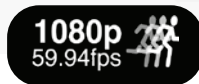
HD-100A

Professional Broadcast POV Camera

The HD-100A is a cost-friendly Full-HD Broadcast Camera designed for any level of production. Packed with a 1/3 progressive CMOS image sensor and interchangeable lens, the HD-100A provides clear, crisp HD video suitable for any existing workflow. The HD-100A offers versatile Full-HD resolutions including drop-frames, adjustable video settings, and a small rugged form factor, making it perfect anywhere you need it to be.



KEY FEATURES:



APPLICATIONS:



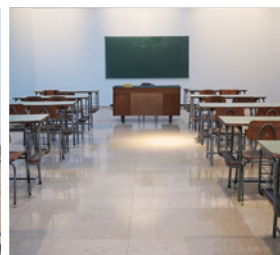
LIVE PRODUCTION



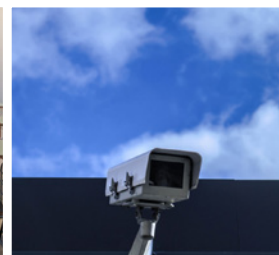
WORSHIP



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.
- HDMI seamless video performance.
- 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.
- Built-in OSD controls for customizable image settings.
- Versatile, compact, and rugged design.
- With TRS Stereo Audio Input for embedded audio over HDMI.

SPECIFICATIONS

VIDEO

Image Sensor	1/3 inch Progressive CMOS
Sensor Size	Diagonal 7.2mm
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	1080 60p/59.94p/50p/30p/29.97p/25p/24p 1080 60i/59.94i/50i 720 60p/59.94p/50p
Output	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)
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AUDIO

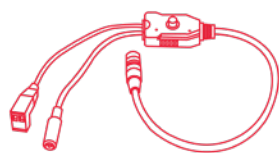
Input	3.5mm TRS Stereo Mic-in & Line in over I/O Cable
Sample Rate	16/24/32 Bits

PHYSICAL

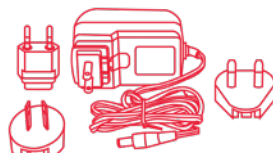
Camera Control	RS-486 VISCA, OSD Button
Operation Temp	32° F - 104° F
Dimension	39mm x 39mm x 50.50mm / 1.53" x 1.53" x 1.99" (With default 4mm Lens)
Weight	180g / 0.39lbs (With default 4mm Lens)
Power	6W at 12VDC (+9 - +15VDC)

*Specification are subject to change without notice.

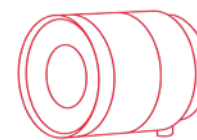
PACKAGE CONTENTS



I/O Breakout Cable



DC 12v Power Supply & Sockets Adapter



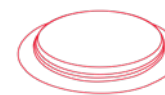
4mm Megapixels Lens (Pre-Installed)



USB Cable



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.