

# UHD-100A

## Launch your creations in Ultra-HD

Drive your visual inspirations with clarity. The UHD-100A simplifies the creation of video content that requires Ultra-HD quality, ranging from telemedicine to machine vision in its smallest form.



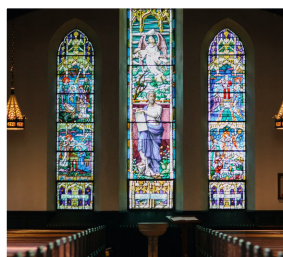
### KEY FEATURES:



### APPLICATIONS:



LIVE PRODUCTION



WORSHIP



RACING



MEDICAL



THEATER

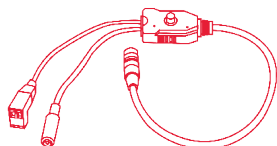
## MAIN FEATURES

- 4K UHD 1/2.5 Progressive Scan CMOS sensor captures sharp and vivid UHD video even under very low light conditions.
- Advanced digital imaging processor provides vivid and detailed images by utilizing Dynamic Range, Auto White Balance, and Noise Reduction.
- Superb motion-compensated temporal noise reduction filter for motion video without blurring.
- OSD control breakout cable with power input and RS-485 for remote communication.
- Interchangeable lens design compatible with CS and C mount lenses.
- Perfectly suited for broadcast, pro audio/video, and security.
- Versatile, compact, and rugged design.
- With TRS Stereo Audio Input for embedded audio over HDMI.

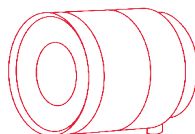
## SPECIFICATIONS

<b>VIDEO</b>		<b>LENS</b>	
<b>Image Sensor</b>	1/2.5" Progressive CMOS	<b>Lens</b>	C/CS Mount (Default UHD 3.2mm Lens)
<b>Sensor Size</b>	Diagonal 7.20mm	<b>AUDIO</b>	
<b>Effective Pixels</b>	Horizontal: 3840, Vertical: 2160	<b>Input</b>	3.5mm TRS Stereo Mic-in & Line in over I/O Cable
<b>Pixel Size</b>	1.62 $\mu\text{m}$ (H) x 1.62 $\mu\text{m}$ (V)	<b>Sample Rate</b>	16/24/32 Bits
<b>Resolution</b>	4096 x 2160, 3840 x 2160, 1920 x 1080, 1280 x 720	<b>PHYSICAL</b>	
<b>Resolution Rate</b>	2160 30p/29.97p/25p/24p 1080 60p/59.94p/50p/30p/ 29.97p/25p/24p 1080 60i/59.94i/50i 720 60p/59.94p/50p/30p/25p	<b>Camera Control</b>	RS485 OSD Button
<b>Output</b>	HDMI 1.4	<b>Operation Temp</b>	32°F - 104°F
<b>Color Space</b>	4:2:2 (YCbCr) 10bit	<b>Dimension</b>	39mm x 39mm x 50.50mm / 1.53" x 1.53" x 1.99"
<b>FUNCTION</b>		<b>Weight</b>	140g / 0.30lbs
<b>White Balance</b>	AWB / AE / AF	<b>Power</b>	12VDC (+9 - +15VDC)
<b>Exposure</b>	Full Auto, Bright, Shutter Priority, Iris Priority, Manual	*Specification are subject to change without notice.	
<b>Other</b>	WDR, DIS (Digital Image Stabilization), 2D/3D Noise Reduction, Digital Slow Shutter, Black Level Compensation, Flicker Detection		

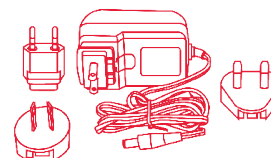
## PACKAGE CONTENTS



I/O Breakout Cable



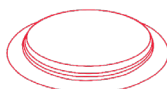
5mm Megapixels Lens (Pre-Installed)



DC 12v Power Supply & Sockets Adapter



C-Mount Cap Adapter



Sensor Cap



USB Cable

At **ADIA 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, **ADIA Imaging** meticulously creates products that are applicable to various solutions, effective for the global user.