

# UHD-100A

## Micro UHD HDMI Professional POV Camera



4K UHD Progressive Scan CMOS sensor captures sharp and vivid UHD video even under very low light conditions.

**UHD-100A** has compact and rugged form factor is versatile for broadcasting, pro audio/video, and security.

Advanced digital imaging processor provides vivid and detailed images by utilizing Dynamic Range, White Balance, and Noise Reduction.

Superb motion-compensated temporal noise reduction filter for motion video without blurring.

OSD can be remotely controlled by PTZ camera controller or by CCS-USB and software.

# AIDA

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## Video

<b>Image Sensor</b>	1/2.5" Progressive CMOS
<b>Sensor Size</b>	Diagonal 7.20mm
<b>Effective Pixels</b>	Horizontal: 3840, Vertical: 2202
<b>Pixel Size</b>	1.62 $\mu$ m (H) x 1.62 $\mu$ m (V)
<b>Resolution</b>	2160p: 3840 x 2160 1080p / 1080i : 1920 x 1080 720p : 1280 x 720
<b>Resolution/Rate</b>	4K2160p : 30 / 29.97 / 25 / 24 1080p : 60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 1080i : 60 / 59.94 / 50 720p : 60 / 59.94 / 50

<b>Output</b>	HDMI 1.4
<b>Color Space</b>	4:2:2 (YCbCr) 10 bit

## Function

<b>White Balance</b>	AWB / AE / AF
<b>Exposure</b>	Full Auto, Bright, Shutter Priority, Iris Priority, Manual
<b>Others</b>	WDR, DIS (Digital Image Stabilization), 2D/3D Noise Reduction, Digital Slow Shutter, Black Level Compensation, Flicker Detection

## Lens

<b>Lens</b>	C/CS Mount (Default UHD 3.6mm Lens)
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## Audio

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

## Physical

<b>Camera Control</b>	RS 485, 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 3.2mm Lens)
<b>Weight</b>	140g / 0.30Lbs
<b>Power</b>	12 VDC (+9 - +15VDC)

## Package contents



I/O Breakout cable



DC12v Power supply & Socket adaptor



3.2mm 12MP 4K Lens (Pre-installed)



Sensor cap



C-Mount lens adaptor



Hex. wrench



Terminal power connector

AIDA Imaging manufactures advanced imaging and streaming devices for several different industries and applications. Our focus is on providing innovative products, maintaining quality control, and excellence in service to professionals and consumers worldwide. All AIDA Imaging devices are proudly designed in the USA.

# AIDA

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