

# 4K / UHD 6G-SDI POV Camera

# UHD6G-X12L

## Professional 12X Zoom POV Camera

The UHD6G-X12L is a professional 4K POV camera solution that houses a superior 12X 4K lens zoom module. Powered by a back-illuminated pixel technology, the UHD6G-X12L realizes true cinema quality 4K image with wide dynamic range and enhanced imaging characteristics, i.e. sensitivity and greatly reduced noise under low light conditions. The UHD6G-X12L is robust in its features with expanded control sets via VISCA protocol, audio, and dual video (6G-SDI & HDMI 1.4) output. Designed for versatility, durability, and cost effectiveness for smooth integration into any broadcast, professional, or corporate AV environment.



**KEY FEATURES:**

- 4K** ULTRA HD
- HDMI**  
HIGH DEFINITION MULTIMEDIA INTERFACE
- 4:2:2  
10 BIT
- SMPTE**  
ST2081-10
- 2160p  
29.97fps

**APPLICATIONS:**



LIVE PRODUCTION

WORSHIP

SPORTS

MEDICAL

FILM

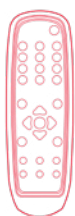
## MAIN FEATURES

- 4K 1/1.7 Progressive Scan CMOS sensor capable of 4K (4096 x 2160) captures sharp and vivid images even under very low light conditions.
- Power by a back-illuminated pixel technology.
- Superior 4K 12X optical zoom.
- 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 two audio inputs and RS-485 for remote communication.
- Dual video simultaneous output interfaces 6G-SDI & HDMI.
- Flawlessly relays multi-channel embedded audio via 6G-SDI & HDMI.
- Perfectly suited for broadcast, pro audio/video, and security.
- Conforming with SMPTE 292M, 424M and 2081-10.
- Versatile, compact, and rugged design.

## SPECIFICATIONS

<b>VIDEO</b>		<b>LENS</b>	
<b>Image Sensor</b>	1/1.7" Progressive CMOS	<b>Lens</b>	12X UHD Optical Zoom Lens, 4.2mm/82° (Wide) ~ 50.04mm/8° (Tele), F1.8 (Wide) - F2.8 (Tele)
<b>Sensor Size</b>	Diagonal 9.93mm(17:9)	<b>AUDIO</b>	
<b>Effective Pixels</b>	Horizontal: 4096, Vertical: 2160	<b>Input</b>	3.5mm TRS Stereo Mic-in & Line in over I/O Cable
<b>Pixel Size</b>	1.85 μm (H) x 1.85 μm (V)	<b>Sample Rate</b>	16/24/32 Bits
<b>Resolution</b>	24096 x 2160, 3840 x 2160, 1920 x 1080, 1280 x 720	<b>STANDARD</b>	
<b>Resolution Rate</b>	4K (4096 X 2160) 30/29/25/24p/ 2160 30/29.97/25/24p 1080p 60/59.94/50/30/ 29.97/25p/24p 1080i 60/59.94/50i 720 60/59.94/50/30/25p	<b>SMPTE</b>	SMPTE 292M, SMPTE 424M, SMPTE 2081-10
<b>Output</b>	HDMI 1.4 HD/3G/6G-SDI (BNC)	<b>PHYSICAL</b>	
<b>Color Space</b>	4:2:2 (YCbCr) 10bit	<b>Camera Control</b>	RS-485 OSD Button
<b>FUNCTION</b>		<b>Operation Temp</b>	15°F - 120°F
<b>White Balance</b>	AWB / AE / AF	<b>Dimension</b>	90.20mm x 90.20mm x 156.70mm / 3.55" x 3.55" x 6.17"
<b>Exposure</b>	Full Auto, Bright, Shutter Priority, Iris Priority, Manual	<b>Weight</b>	600g / 1.2lbs
<b>Other</b>	WDR, DIS (Digital Image Stabilization), 2D/3D Noise Reduction, Digital Slow Shutter, Black Level Compensation, Flicker Detection	<b>Power</b>	12VDC (+9 - +15VDC)
		<i>*Specification are subject to change without notice.</i>	

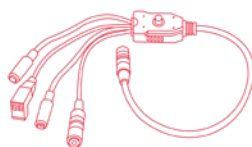
## PACKAGE CONTENTS



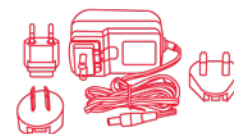
Remote Controller



USB Cable



I/O Breakout Cable



DC 12v Power Supply & Sockets Adaptor

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