

# ICONIX

## The World's Smallest HD Video Camera HD-RH1 Digital I/O Option

The World's Most Versatile  
Camera Has Become  
Even More Flexible.

The revolutionary HD-RH1 is even more powerful with a factory-installed Digital I/O package that includes twin Fiber Optic outputs, and the capability for genlocking to a serial digital signal.

### Features Include:

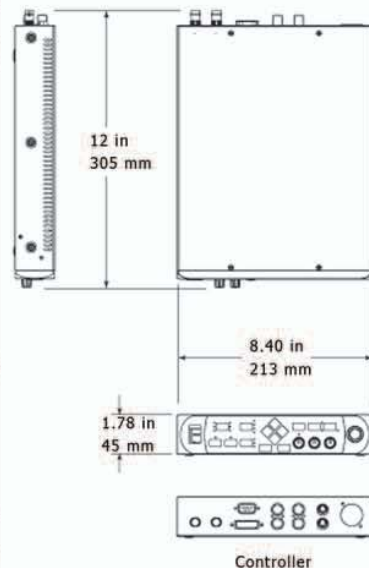
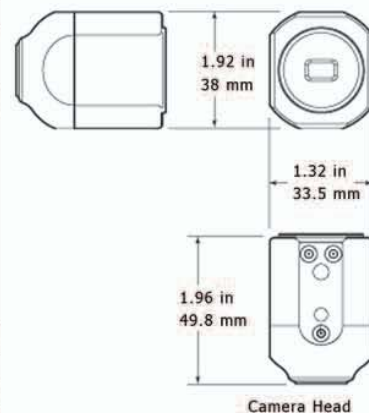
- Fiber Optic directly from camera
- Uses industry-standard fiber SFP modules
- Dual-Link and Single-Link capability
- Genlock from Fiber, SDI, or Analog
- Simultaneous fiber genlock and transmission (with transceiver SFP module)



# HD-RH1 With Digital I/O Option

ICONIXVIDEO.COM

<b>Image Sensor</b>	1/3-inch Progressive Square Pixel CCD	
<b>Optical System</b>	1/3-inch 3-CCD Prism System	
<b>Limiting Resolution</b>	700 TV Lines (720p) 900 TV Lines (1080i/p)	
<b>Lens Mount</b>	C-Mount	
<b>Scanning System</b>	1080p:	60, 59.94, 50, 30, 29.97, 25, 24 23.98
	1080sF:	30, 29.97, 25, 24 23.98
	1080i:	60, 59.94, 50
	720p:	60, 59.94, 50, 30, 29.97, 25, 24 23.98 30n60, 29.97n59.94, 25n50, 24n60, 23.98n59.94
	576:	50
	480:	59.94
<b>Sensitivity</b>	F/8 @ 2000 lux	
<b>Signal/Noise Ratio</b>	52dB typical, Y Channel	
<b>Quantization</b>	14-Bit	
<b>Gamma</b>	On/Off	
<b>White Balance</b>	Automatic (AWB) or Manual	
<b>Black Balance</b>	Automatic	
<b>Gain</b>	0 dB to 15 dB, Manual or Fixed	
<b>Electronic Shutter</b>	Fixed, Variable	
<b>Scene File</b>	3 User-Programmable Profiles	
<b>Sync System</b>	Internal or Genlock to analog sync	
<b>Output Signals</b>	BNCx3, 1Vpp, 75Ohm, RGB/YPbPr Sync on Y/G or YPbPr/RGB HD-SDI/SD-SDI (SMPTE-292/SMPTE-259) BNC x2, Fiber Optic* x2: Two Single-Link 4:2:2 Dual Link 4:4:4: RGB Dual Link 4:4:4 YCbCr Dual Link 4:2:2 YCbCr for 1080p: 60, 59.94, 50 DVI-I: RGB, YCbCr	
<b>Input Signals</b>	Genlock Input: HD-SDI & SD-SDI: BNC x1 (SMPTE 292M, SMPTE 259M) Fiber Optic: HD or SD with SFP transceiver or receiver module Analog: Tri-Level (HD) or Bi-Level Sync (SD) Remote-Control: RS-232	
<b>Power Requirements</b>	12VDC, 30W	
<b>Weight</b>	Head: 2.3 Oz (64g) Controller: 3.5lbs (1.2kg)	
<b>Dimensions</b>	Head: 1.32"W x 1.50"H x 1.96"D (33.5x38x49.8mm) Controller: 9.4"W x 1.78"H x 12"D (213x45x305mm)	
<b>Tripod Mount</b>	Optional Adapter with 1/4-20 and 3/8-16 Thread	
<b>Fiber Optic Receptacle</b>	Accepts Industry-Standard SFP modules; dual/single Tx, dual/single Rx** or transceiver (1 Tx and 1 Rx)	



\* Digital I/O option comes with dual Tx module. Other modules sold separately.

\*\*When dual Rx is used (for genlock) only Rx channel 1 is active.

## HD-RH1 Camera System: Camera Head, CCU, Power Supply



**Iconix Video, Inc**  
7402 Hollister Ave  
Goleta, CA 93117

800.783.1080  
Fax 805.690.3655

Features and Specifications subject to change without notice

Made in the U.S.A