

# IP-SDI 4i IPTV Decoder with SDI

## DATASHEET



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The IP-SDI 4i with SDI is an MPEG2/H.264 IPTV decoder with internal scaler. The unit is part of a family of products from Contemporary Research that can be used to form an end-to-end IPTV distribution system. The unit is also compatible with many industry standard hardware and software encoders.

The decoder is compatible with unicast or multicast UDP and RTP IPTV stream. It will accept MPEG2 or H.264 single program or multiple program transport streams encoded at resolutions up to 1080P 60Hz. The channel list of programs is uploaded from a PC running CR Toolbox software or RS-232 commands. The unit may be controlled from the front panel buttons, handheld IR remote, on board web GUI, or external control system.

- MPEG-TS IPTV Decoder
- SDI Output – SD/HD/3G
- HDMI Output – Type A, Version 1.3
- SDI and HDMI selectable video output resolutions: 480i, 720p, 1080i, 1080p, or Auto
- All outputs operate simultaneously
- 1080p fixed at 60Hz frame rate, 1080i and 720p selectable at 60 or 59.94Hz
- AC-3, PCM, or Variable PCM audio formats for SDI, HDMI, and digital audio ports
- Coaxial and optical SPDIF digital audio outputs
- Variable analog stereo audio output
- Channel selection by direct channel entry or channel up/down
- Decodes analog and digital closed captioning
- Passes through EIA-608 and EIA-708 closed caption data on SDI output
- Rack-mountable one or two across in 1RU
- Firmware updateable over Ethernet from CR Toolbox
- Meets RoHS and California energy-saving standards
- TAA Compliant



## SPECIFICATIONS

<b>Physical</b>	8.5" [216mm] wide x 1.75" [44mm] height (1RU) x 8.0" [203mm] deep 1.81 lbs [822 g] 1RU Rack mounting for one or two units side-by-side (RKU, RK1, RK2EZ)
<b>Protocols</b>	MPEG-TS UDP, RTP SPTS, MPTS IGMP v2, IGMP v3
<b>Decoding</b>	Video – MPEG-2, H.264 – 480i, 480p, 720p, 1080i, 1080p Audio – AC3, MP1-2, AAC
<b>Video</b>	SDI Output – SD/HD/3G Level A HDMI receptacle, Type A, Version 1.3 (480i/720p/1080i/1080p)
<b>Audio</b>	SDI and HDMI, AC3/PCM/PCM variable level S/PDIF Coax and optical output, AC3/PCM/PCM variable level Analog Stereo RCA variable level
<b>Control</b>	RJ-45 10/100 Ethernet for Web page access, Telnet, and UDP control DB9 male RS-232 1200 to 230K baud, 8 data bits, no parity, 1 stop bit IR Input 3.5mm TRS jack for optional IR-RXC IR Receiver
<b>Front Panel</b>	LCD Text display, white text on blue background Power, Menu, Setup, and Select buttons Up and Down (Channel Up and Down) buttons Left and Right (Volume UP and Down) buttons IR Sensor, Mini USB-B port
<b>Power In</b>	2.1mm coaxial jack (inside center conductor positive), 1.1A maximum, 11 to 14 VDC, 12 VDC typical, 13.2W 45 BTU, 15.2 W 52 BTU including power supply, current draw 0.198A@114 VAC with power supply

### Includes:

PS12-1.5 Power Supply, Input: 100 to 240 VAC Autosensing, Output: 12 VDC, 1.5 A (5402-001)  
RKU Universal Rack Mount Kit

### Options:

HD3-RC IR Remote, 2 x AAA batteries (5034-005)  
PS12-8Y 8A power supply with Y cable (5404-001) may be ordered with every 3-4 tuners in lieu of PS12-1.5 power supplies  
RK1 Single Rack Kit, 1 RU (5008-001)  
RK2EZ Dual Rack Kit, 1 RU (5008-015)  
IR-RXC External IR Receiver (5032-001)  
CC-COM-B RS-232 Null Modem Cable (5061-003)