

ARRIS DCX4220

ATSC, AVC, HD SET-TOP WITH DOCSIS 3.0 MODEM

FEATURES

- Embedded MediaCipher™ Conditional Access
- Configurable front-end, providing dual 1 GHz digital video tuner (QAM 64/256) and 1 GHz DOCSIS tuner capability
- Compatible with ARRIS DCT/DCH/DCX legacy software API set
- Digital, Dolby Audio™, AAC-LC / HE-AAC, WMA9, MP3, Audio decode of Dolby®
- High-definition (HDTV) decode of MPEG-2, MPEG-4 AVC (H.264), HP@L4.1
- DOCSIS 3.0+ embedded Cable Modem with support for DSG (up to 16 down, 4 up), with 2 digital video tuners which could be reduced to 8x4
- SCTE 55-1 Out-of-band
- Video scaling
- Video-in-Graphics
- Accelerated 2-D and 3-D graphics
- 512 MB Flash (standard), 1 GB DRAM total (standard) 2GB DRAM optional memory
- Panel Power/Standby LED with Backlit Front panel power button
- Remote and On-screen diagnostics
- KreaTV support with upgrade of Middleware
- Rovi® , HDCP, DTCP, and CGMS-A content protection schemes on the respective interfaces



PRODUCT SPECIFICATIONS

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RF Input Frequency	54 to 1002 MHz (video and audio)
Memory	512 MB Flash (standard) 1 GB DRAM total (standard)
Video	Accelerated 3D support, and scalable video-in-graphics
Graphics Resolution	SD Outputs 4:3 up to 720x480 HD Outputs 16:9 up to 1920x1080
Video Output Resolution	480i/p, 576i/p, 720p, 1080i, and 1080p24, 1080p30, and 1080p60 (HDMI only)



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SPECIFICATIONS CONT.

Audio	Dolby Audio, Dolby Volume Levelling HE-AAC, WMA9, MP3 capable
Operating Temperature	15°C to 40°C (50°F to 104°F)
Operating Humidity	5 to 90% (non-condensing)
AC Voltage	90 to 264 VAC, 60 Hz
Power Dissipation	<36 W (depending on features)
OOB Modulation	Frequency Agile receiver 70 to 130 MHz Bandwidth
QPSK	2.0 MHz maximum Level -15 to 15 dBmV
Digital Input Level	64 QAM -15 to 15 dBmV 256 QAM -12 to 15 dBmV
Dimensions (W x D x H)	9.5 in. x 6.5 in. x 1.6 in.
Weight (lbs.)	1.6
Manufacturing Optional Features	2GB DRAM memory configuration

STANDARD INTERFACES

FRONT PANEL

- Backlit Front panel power button
- USB 2.0 Host Type A port
- IR remote control sensor (RF4CE supported in Kreatv)

REAR PANEL

- F-connector for cable input
- HDMI output
- Baseband composite video output
- L/R audio output-variable
- Optical S/PDIF digital audio outputs
- 10/100 Ethernet interface
- USB 2.0 Host Type A port
- 3.5 mm serial port/External IR input