

DCX525e

ALL-DIGITAL, HIGH DEFINITION (HDTV) SET-TOP



PRODUCT OVERVIEW:

The low-cost DCX525e is an all-digital, MPEG-4 set-top designed to provide high-definition video along with digital sound and on-demand and interactive services for the home environment. The ARRIS DCX525e is a high-definition set-top with a single 1 GHz tuner that supports both MPEG-2 and MPEG-4 AVC services. The DCX525e provides the latest HDMI output, award-winning Dolby Digital Plus® audio, and Dolby Volume Leveling.

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BANDWIDTH EFFICIENCY SOLUTIONS

The DCX525e fully supports the growing consumer demand for high-definition programming and high-bandwidth advanced applications. It provides new methods to efficiently and cost-effectively utilize limited bandwidth to deliver these services through support of MPEG-4 decode technologies. For example, the DCX525e is capable of decoding MPEG-4 video streams, requiring significantly less bandwidth than MPEG-2 to deliver comparable quality video services. It also supports Switched Digital Video (SDV) solutions, allowing service providers to maximize the use of their available bandwidth by delivering programming only to nodes where and when subscribers actively request that particular program.

REMOTE DIAGNOSTIC CAPABILITIES

The DCX525e utilizes the ARRIS SmartStream Terminal Data Collector (STDC) service for remotely gathering important set-top status and health information in a centralized server for evaluation and corrective action. STDC provides operators with the ability to isolate and troubleshoot plant issues, improve service quality, and reduce operation costs.

FEATURES

- Embedded MediaCipher™ Conditional Access
- Single 1GHz digital video tuner (QAM 64/256)
- Compatible with ARRIS DCT/DCH legacy software API set
- Dolby® Digital, Dolby® Digital Plus, AAC-LC / HE-AAC, WMA9, MP3
- High-definition (HDTV) decode of MPEG-2, MPEG-4 AVC (H.264)
- SCTE 55-1 Out-of-band
- Video scaling
- Video-in-Graphics
- Accelerated 2-D and 3-D graphics
- 256 MB Flash, 512 MB DRAM
- Front panel Power/Standby LED
- Remote and on-screen diagnostics
- Switched Digital Video capable
- Rovi®, HDCP, DTCP, and CGMS-A content protection schemes on the respective interfaces

STANDARD INTERFACES

FRONT PANEL

- Power LED
- IR remote control sensor (ARRIS)

REAR PANEL

- F -connector for cable input/output
- HDMI output
- 10/100 Ethernet interface
- 3.5 mm serial port/external IR input

GENERAL SPECIFICATIONS

RF Input Frequency	54 to 1002 MHz (video and audio)
Memory	256 MB Flash, 512 MB DRAM
Video	Up to 32-bit color, accelerated 2D 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 and 576i (Remod)
	480i/p, 576i/p, 720p, 1080i, 1080p24, 1080p30, and 1080p60 (HDMI)
Audio	Dolby Digital, Dolby Digital Plus, Dolby Volume Leveling , HE-AAC,WMA9, MP3 capable
Operating Temperature	15 °C to 45 °C (59 °F to 113 °F)
Operating Humidity	5 to 95% (non-condensing)
AC Voltage	90 to 260 V, 50/60 Hz
Power Dissipation	<9 W (depending on feature)
OOB Modulation QPSK	Frequency Agile receiver: 70 to 130 MHz Bandwidth 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	5.5 in W x 3.6 in D x 1.4 in H (139mm x 91mm x 36mm)
Weight	0.50 Lbs. (0.226 kg)

All features, functionality, and specifications are subject to change without notice or obligation.



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