

# DCX3600

## Advanced Video Gateway

### FEATURES:

- 1 TB internal hard drive
- Tru2way® capable platform
- Single 1Ghz digital video tuner
- Triple video decode (one local, two transcode) up to 1080p60
- Audio decode of Dolby® Digital, Dolby® Digital Plus
- MoCA® Home Networking Interface
- DOCSIS 3.0 Channel bonding (8 x 4)
- 128MB Flash, 1024MB DRAM



### PRODUCT OVERVIEW:

The way people view TV is changing. More than ever before, consumers are watching content in various formats and on multiple devices. They want to view the content they want, where they want, when they want in their homes.

#### **The DCX3600 Video Gateway**

ARRIS is meeting the growing subscriber demand for HD content with the DCX3600 Video Gateway. The DCX3600 Video Gateway is the next step in the evolution of home TV viewing. The DCX3600 is a dramatic improvement over existing set-tops – it has full HD output, supports 3D programming, and it is a media hub, which means it connects to other client set-tops, and distributes and shares video content throughout the home. With its 6-tuners, you can record or watch multiple channels at the same time in different rooms. It comes with an expandable 1 TB hard drive, so you can record and store just about all the video you'll ever want. The DCX3600 Video Gateway includes a DOCSIS 3.0 modem with 8 x 4 channel bonding, so you can access IP and online content. And it comes with MoCA® technology, which enables whole home networking for service like Multi-Room DVR. With MR DVR you can record or pause, fast-forward, or replay the shows you are watching on any TV in your home.

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### Advanced Features in a Cost Effective Video Gateway

The DCX3600 Video Gateway includes state-of-the-art features. The front end of the DCX3600 is flexible, which allows the operator to deliver a mixture of services via QAM and IP to its tuners. So it can be configured to tune up to six QAM services simultaneously, or it can allocate its tuning resources for up to eight DOCSIS downstream channels, or it can support combinations in between.

Another key feature for the DCX3600 Video Gateway is the built-in transcoding capabilities. Transcoding allows it to take QAM MPEG-2 services, transcode it to MPEG-4 for delivery to mobile devices (tablets, smart phones) over the home Wi-Fi network. The DCX3600 Video Gateway is also capable of decoding and outputting 1080p60 content. It also supports the MVC and SVC standards for 3DTV. Additionally, the DCX3600 Video Gateway is Tru2way-capable for compatibility with both new and existing applications. The DCX3600 Video Gateway is designed to enable the transition to IPTV.

### Improved Watch and Record Capabilities

Consumers value the watch-and-record flexibility they get with the DCX3600 Video Gateway. It comes with an integrated MoCA® 2.0 home networking interface, which allows it to serve as a high-speed multimedia hub via existing coaxial cables in walls for sharing content with other compatible devices in the home, creating an IP home network without having to install new wiring.

#### STANDARD INTERFACES

##### Front Panel

- Power Button
- Power, Message, Data, Home LAN, and Record indicators
- Optional Bluetooth or RF4CE wireless interface
- Output video format indicator
- 4-character 7-segment display
- IR remote control sensors with activity indicator

##### Rear Panel

- F-connector for cable input
- Pre-installed M-Card™
- HDMI™ output
- YPbPr component output
- Baseband composite video output
- L/R audio output with volume control
- Optical S/PDIF digital audio output
- 2 USB 2.0 Host Type A ports
- 10/100/1000 Ethernet interface
- eSATA interface
- Mini-phone 3.5mm serial port /Ethernet IR input

#### GENERAL SPECIFICATIONS

RF Input Frequency:	54 MHz to 1002 MHz (audio/video)
Tuning:	1GHz Full-Band Front End 8x 64-1024 QAM Demodulators DOCSIS 3.0 channel bonding (8x4)
Memory:	128 MB Flash, 1024 MB DRAM
Video:	Triple video decode (one local, two transcode) up to 1080p60, MPEG-2, MPEG-4 AVC, SVC, MVC
Composite Video Output Formats:	NTSC, PAL-M, and PAL-Nc
Component Video Output Formats:	480i/p, 576i/p, 720p, and 1080i
HDMI Video Output Formats:	480i/p, 576i/p, 720p, 1080i, and 1080p24/30/60
Audio:	Dolby Digital, Dolby Digital Plus, Dolby Volume, Dolby Pulse, Dolby Dialogue Clarity
Transcode:	Dual transcode up to 720p30 each, or single transcode up to 1080i60
Graphics:	1.2 Gp/s OpenGL 2.0, scalable video-in- graphics
Hard Disk Drive:	1TB SATA Gen2 (3.0Gbps) internal, support for Advanced Format 4kB Sectors
Out-of-Band Modulation:	Frequency agile receiver 70 MHz to 130 MHz
Power Supply:	105 VAC to 125 VAC, 60 Hz input; 12 VDC output
Power Dissipation:	28 W (depending on features)
Dimensions:	12.6 in W x 8.75 in D x 2.56 in H
Weight:	5.5 lb
Operating Temperature:	15 °C to 42 °C (50 °F to 108 °F)
Operating Humidity:	5% to 90% (non-condensing)

Specifications are subject to change without notice.



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