Top-End Features at a Realistic Price

Home networking for PC- and cloud-based audio. Six HDMI® inputs. WRAT noise-reduction suite. Powerful and immersive 5.1 surround. High-Definition audio decoding and 3D video support. If all this sounds like an AVR that’s beyond your budget, get ready to be pleasantly surprised. Onkyo’s TX-NR414 Network A/V Receiver boasts all this and more. For a start, the receiver incorporates InstaPrevue™ technology, a new picture-in-picture HDMI input source preview system that greatly simplifies the operation of your home cinema. Or try the HDMI-linked overlaid on-screen display, making mid-program setting adjustments quick and easy. There’s also a USB port for direct-digital iPod/iPhone connection, Zone 2 line-outs for playback of a different stereo source in another room, digital music file enhancement, top-shelf build quality, and the purity of sound for which our brand is famous. And the price tag? Let’s just say HD playback isn’t the only realistic thing about this potent AVR.

ADVANCED FEATURES
• HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
• Dolby® TrueHD and DTS-HD Master Audio™ Decoding
• Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
• Internet Radio and Cloud Music Streaming Service Connectivity (Last.fm, MP3tunes, Spotify, AUPEO!, vTuner)¹
• Picture-in-Picture Input Source Preview with InstaPrevue™ Technology
• Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
• Supports Onkyo Remote Apps for iPod touch/iPhone¹ and Android Phone³
• WRAT (Wide Range Amplifier Technology)
• Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
• Zone 2 Line-Out for Distributed Audio Playback in Another Room
• Hybrid Standby Function to Reduce Power Consumption

AMPLIFIER FEATURES
• 130 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
• H.C.P.S. (High Current Power Supply) Massive High Power Transformer
• Discrete Output Stage Circuitry
• Optimum Gain/Volume Circuitry
• PLL (Phase Locked Loop) jitter-cleaning circuitry technology for S/PDIF audio

PROCESSING FEATURES
• TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
• Advanced 32-Bit Processing DSP Chip
• 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
• Advanced Music Optimizer for Compressed Digital Music Files
• Theater-Dimensional Virtual Surround Function
• CinemaFILTER™
• Direct Mode and Pure Audio Mode
• Double Bass Function
• Non-Scaling Configuration
• A-Form Listening Mode Memory

CONNECTION FEATURES
• 6 HDMI Inputs and 1 Output
• Front-Panel USB Port
• Mass Storage Class USB Memory Playback Capability
• Compatible with Optional UWF-1 Wireless LAN Adapter via USB
• HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
• 5 Composite Video Inputs (1 Front/4 Rear) and 1 Output
• 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
• 6 Analog Audio Inputs (1 Front/5 Rear)
• Subwoofer Pre-Out
• Color-Coded, Banana Plug-Compatible Speaker Posts
• Headphone Jack

OTHER FEATURES
• Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
• A/V Sync Control (Up to 400 ms at 48 kHz)
• Tone Control (Bass/Treble) for Front L/R Channels
• 3-Mode Display Dimmer (Normal/Dim/Dimmer)
• RDS (PS/RT/PTY/TP) (European Model Only)
• 40 FM/AM Random Presets
• Certified with Windows® 7 and DLNA Version 1.5
• Firmware Updates via Ethernet and USB
• RIHD (Remote Interactive over HDMI) for System Control
• Preprogrammed RI (Remote Interactive) Remote Control

¹ Availability of services depends on region. Some services may require a firmware update. ² Compatible with iPod touch (3rd generation or later) and iPhone. ³ All models require iOS 4.2 or later. ⁴ Requires Android OS 2.1 or later.
**Texas Instruments Waveform Optimizer Technology**

Waveform Optimizer Technology enhances video rendering on video signals such as Component (Y, Pb, Pr) or Composite video signals, by attempting to再现 the video signal. The TV400 Series receiver is equipped with Waveform Optimizer Technology to enhance video quality.

**Audio Return Channel and 3D Video via HDMI**

Six HDMI inputs on the TX-NR414 allow seamless integration of high-definition devices such as Blu-ray players, cable/satellite tuners, and gaming consoles. HDMI implementation on this receiver also supports an Audio Return Channel, allowing TV audio to be sent simultaneously to the A/V receiver.

**InstaPrevue**

The TX-NR414 incorporates InstaPrevue visual port management technology, making input source selection much easier. InstaPrevue provides a live video thumbnail of the available content on your devices, connected via HDMI. You no longer have to remember that your gaming console is connected to Port 3, or your BD player to Port 1, for example—you can see what’s playing and choose accordingly.

**Save Power with Hybrid Standby**

Hybrid Standby provides ‘HDMI through’ functionality while the receiver sleeps, so you don’t have to fully power up to watch a Blu-ray or play a game using just your TV’s sound.

**Sources Easy**

Direct Digital iPod/iPhone Connection for Cleaner Sound

The TX-NR414’s front-panel USB port lets you play MP3 and AAC stored on an iPod/iPhone, and MP3, WMA, AAC, and FLAC audio files stored on a flash-memory device using the systems own remote for track selection and playback. Your music will also sound much more cleaner and clearer as the audio signal is transported in digital form (rather than analog) via the direct digital connection.

**Top-Quality DACs Deliver Clearer Sound**

Digital-to-Analog converters are of particular importance to audio fans seeking excellent sound reproduction, and the TX-NR414 features reliable, high-performance 32-bit (192 kHz, 1% THD, 1 Channel Driven, JEITA) Digital-to-Analog converters that deliver a soundtrack identical to the studio master. The TX-NR414 also handles Dolby® Digital Plus and DTS-HD High Resolution Audio™. Dolby Digital Plus is designed to accompany HD video delivered via disc media, television broadcasts, and online content. DTS-HD High Resolution Audio means fewer speaker reflex energy and impedance fluctuations from the speakers.

**Playback of Different Audio Sources in Two Zones**

Zone 2 line-outs on the TX-NR414 allow you to enjoy surround-sound entertainment in the main room, while playing back a different stereo source in a second zone equipped with an amplifier and a pair of speakers.

**Cloud-based Audio Streaming and Internet Radio Over the Home Network**

Connecting to the internet and your home PC via a local network, the TX-NR414 makes streaming audio and internet radio easy. You can also play MP3/WMA/WMA Lossless, FLAC, WAV, OggVorbis, AAC, and LPCM audio files stored on your PC through your Onkyo system with stunning power and fidelity. The receiver offers access to internet radio channels from last.fm and vTuner plus cloud-based music streaming from Spotify, AUPERIO, and MP3Tunes*. Internet connectivity has the added benefit of making firmware updates simpler than ever.

**Audio Return Channel and 3D Video via HDMI**

Six HDMI inputs on the TX-NR414 allow seamless integration of high-definition devices such as Blu-ray players, cable/satellite tuners, and gaming consoles. HDMI implementation on this receiver also supports an Audio Return Channel, allowing TV audio to be sent simultaneously to the A/V receiver. That means you can enjoy television programs in magnificent Onkyo sound. HDMI also supports 3D video and other popular high-resolution formats.

**InstaPrevue**

The TX-NR414 incorporates InstaPrevue visual port management technology, making input source selection much easier. InstaPrevue provides a live video thumbnail of the available content on your devices, connected via HDMI. You no longer have to remember that your gaming console is connected to Port 3, or your BD player to Port 1, for example—you can see what’s playing and choose accordingly.

**Save Power with Hybrid Standby**

Hybrid Standby provides ‘HDMI through’ functionality while the receiver sleeps, so you don’t have to fully power up to watch a Blu-ray or play a game using just your TV’s sound.

**Sources Easy**

Direct Digital iPod/iPhone Connection for Cleaner Sound

The TX-NR414’s front-panel USB port lets you play MP3 and AAC stored on an iPod/iPhone, and MP3, WMA, AAC, and FLAC audio files stored on a flash-memory device using the systems own remote for track selection and playback. Your music will also sound much more cleaner and clearer as the audio signal is transported in digital form (rather than analog) via the direct digital connection.

**Top-Quality DACs Deliver Clearer Sound**

Digital-to-Analog converters are of particular importance to audio fans seeking excellent sound reproduction, and the TX-NR414 features reliable, high-performance 32-bit (192 kHz, 1% THD, 1 Channel Driven, JEITA) Digital-to-Analog converters that deliver a soundtrack identical to the studio master. The TX-NR414 also handles Dolby® Digital Plus and DTS-HD High Resolution Audio™. Dolby Digital Plus is designed to accompany HD video delivered via disc media, television broadcasts, and online content. DTS-HD High Resolution Audio means fewer speaker reflex energy and impedance fluctuations from the speakers.

**Playback of Different Audio Sources in Two Zones**

Zone 2 line-outs on the TX-NR414 allow you to enjoy surround-sound entertainment in the main room, while playing back a different stereo source in a second zone equipped with an amplifier and a pair of speakers.