

# Integra®



Audio Video Products 2012

# Integra®

# DTR-50.4

7.2-CHANNEL NETWORK A/V RECEIVER



Connectivity, power, and processing performance meet in our DTR-50.4 network receiver. Revel in house-wide audio, dual-core video upscaling, and DTS Neo:X™ nine-channel upmixing in one exceptionally refined package.

## ADVANCED FEATURES

- THX® Select2 Plus™ Certified
- 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
- High-Quality HQV® Vida™ VHD1900 Video Processor
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- HDMI® Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Component Video Upscaling to 1080i with HQV
- MHL (Mobile High-Definition Link) for Smart Phone Content on HDTV
- Input Source Preview with InstaPrevue™ Technology
- Dolby Volume for Reference-Quality Listening at Any Volume
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- Three-Stage Inverted Darlington Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology
- DTS Neo:X, Audyssey DSX® and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, LPCM, Dolby True HD, DSD)
- Internet Radio and Cloud Music Streaming Service Connectivity (Pandora®, Rhapsody, Slacker™, SIRIUS XM Internet Radio®, Last.fm, Spotify, AUPEO!, vTuner)†1
- Supports Integra Remote Apps for iPod touch®/iPhone®‡2, Android Phone®3, and Kindle Fire®3
- Compatible with Optional UWF-1 Wireless LAN Adapter (via USB Port)
- Compatible with Optional UBT-1 Bluetooth USB Adapter (via USB Port)
- Color-Coded, 9.2 Multichannel Pre Outs (Including 2 Subwoofer Pre Outs)
- 8 HDMI Inputs (1 Front/7 Rear) and Dual HDMI Outputs (Simultaneously Active Capable)
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Hybrid Standby Function to Reduce Power Consumption
- Bi-Amping Capability
- Differential DAC Mode for Front Channels
- Digital Crossover Processing Network to Cancel Crossover Interference

\*1 Availability of services depends on region. Some services may require a firmware update. Availability of third-party services advertised here is accurate at the time of printing, but may be subject to change without notice.

†2 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. †3 Requires Android OS 2.1 or later.

## OTHER FEATURES

- 135 Watts per Channel at 8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC;
- 145 Watts per Channel at 8 Ohms, 1 kHz, 0.7% THD, 2 Channels Driven, FTC;
- 160 Watts per Channel at 6 Ohms, 1 kHz, 0.1% THD, 2 Channels Driven, FTC
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Isolated Power-Amp and Pre-Amp Block
- Fully Discrete Output Stage Circuitry

- Linear Optimum Gain Volume Circuitry
- Advanced 32-Bit Processing DSP Chip
- 2 USB Ports (1 Front/1 Rear)
- Advanced Music Optimizer for Compressed Digital Music Files
- Audyssey MultEQ® XT32 for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Independent Crossover Adjustment for Each Channel (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control (Up to 800 ms in 1 ms Steps)
- HDTV-Capable Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs and 1 Output
- 6 Digital Audio Inputs (3 Optical and 3 Coaxial)
- 7 Analog Audio Inputs and 1 Phono Input
- Tone Control (Bass / Treble / Balance ) for Front L/R Channels
- Display Dimmer (Normal / Dim / Dimmer)
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- Preprogrammed and Customizable RI Remote Control with On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

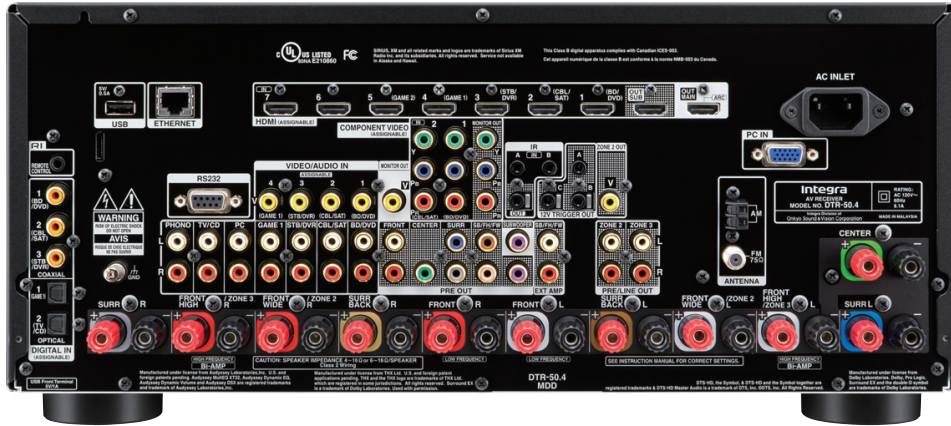
\*Front-Panel HDMI does not support DeepColor.

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Powered Zone 2/3, Zone 2 Video Out, and Zone 2/3 Pre/Line-Outs for Distributed Audio Playback in Multiple Rooms
- Independent Zone 2 Bass/Treble/Balance Controls
- Max & Power On Volume Settings for Main Zone, Zone 2 and Zone 3
- Whole House Mode
- Smart Grid Ready
- Dealer Settings Memory Store & Recall with Lock / Unlock
- Permanently Stored Settings
- 2 IR Inputs and 1 Output
- 3 Programmable 12 V Triggers (with Adjustable Delay)
- Optional Rack Mount Kit Available (IRK-180-4A)
- RIHD (Remote Interactive over HDMI) for System Control\*

\*Compatibility depends on respective model.

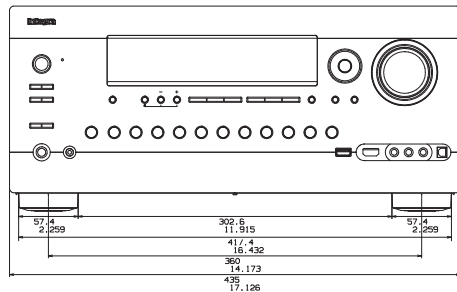
Inspired By Passion-Driven By Excellence



### SPECIFICATIONS

#### AMPLIFIER SECTION

Power Output All Channels:	135 W/Ch at 8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC; 145 W/Ch at 8 Ohms, 1 kHz, 0.7% THD, 2 channels driven, FTC; 160 W/Ch at 6 Ohms, 1 kHz, 0.1% THD, 2 channels driven, FTC
Dynamic Power:	300 W (3 Ohms, Front) 250 W (4 Ohms, Front) 150 W (8 Ohms, Front)
THD+N (Total Harmonic Distortion + Noise):	0.08% (20 Hz–20 kHz, Rated Power)
Damping Factor:	60 (Front, 1 kHz, 8 Ohms)
Input Sensitivity and Impedance:	200 mV/47 k-Ohms (Line) 2.5 mV/47 k-Ohms (Phono MM)
Rated RCA Output Level and Impedance:	200 mV/470 Ohms (Pre Out)
Maximum RCA Output Level and Impedance:	4.6 V/470 Ohms (Pre out)
Phono Overload:	70 mV (MM, 1 kHz, 0.5%)
Frequency Response:	5 Hz–100 kHz/+1 dB, -3 dB (DSP Bypass)
Tone Control:	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio:	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance:	4 Ohms–16 Ohms or 6 Ohms–16 Ohms



#### VIDEO SECTION

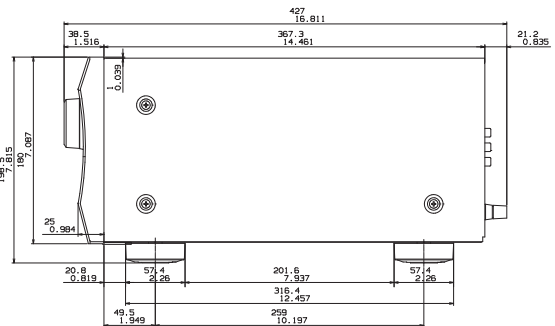
Input Sensitivity/Output Level and Impedance:	1.0 Vp–p/75 Ohms (Component Y) 0.7 Vp–p/75 Ohms (Component Pb/Cb, Pr/Cr) 1.0 Vp–p/75 Ohms (Composite)
Component Video Frequency Response:	5 Hz–100 MHz/+0 dB, -3 dB

#### TUNER SECTION

Tuning Frequency Range:	FM 87.5 MHz–107.8 MHz AM 530 kHz–1,710 kHz
FM/AM Preset Memory:	40 stations

#### GENERAL

Power Supply:	AC 120 V~, 60 Hz
Power Consumption:	8.1 A
Standby Power Consumption:	0.1 W
Dimensions (W x H x D):	17 1/8" x 7 13/16" x 16 13/16" (435 x 198.5 x 427.5mm)
Weight:	39.5 lbs. (17.9 kg)
<b>CARTON</b>	
Dimensions (W x H x D):	23 1/8" x 13 1/4" x 21 3/4" (587 x 337 x 553 mm)
Weight:	48.5 lbs. (22.0 kg)



Due to a policy of continuous product improvement, Integra reserves the right to change specifications and appearance without notice. THX Select2 Plus is a trademark of THX Ltd. THX may be registered in some jurisdictions. All rights reserved. Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories. DTS, DTS-HD, the Symbol, & DTS or DTS-HD and the Symbol together are registered trademarks of DTS, Inc. © DTS, Inc. All rights reserved. Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending. Audyssey MultEQ XT32, Audyssey Dynamic EQ, Audyssey Dynamic Volume, and Audyssey DSX are registered trademarks of Audyssey Laboratories, Inc. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. "Made for iPod" and "Made for iPhone" mean that an electronic device has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this device with iPod or iPhone may affect wireless performance. Android is a trademark of Google Inc. InstaPrevue and the InstaPrevue logo are trademarks or registered trademarks of Silicon Image, Inc. in the United States and other countries. MHL, the MHL Logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL LLC in the United States and other countries. x.v.Color is a trademark of Sony Corporation. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Qdeo and QuietVideo are trademarks of Marvell or its affiliates. HQV, StreamClean, and Auto HQV are trademarks or registered trademarks of Integrated Device Technology, Inc. SIRIUS, XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. WRAT, Music Optimizer, and Theater-Dimensional are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.



# DTR-40.4

7.2-CHANNEL NETWORK A/V RECEIVER



Distribute powered audio throughout the home, or immerse yourself in seven-channel movie soundtracks with the DTR-40.4, which boasts 4K video upscaling and Audyssey DSX® for vivid, realistic entertainment.

## ADVANCED FEATURES

- THX® Select2 Plus™ Certified
- 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
- HDMI® Video Upscaling to 4K with Qdeo™ Technology by Marvell
- MHL (Mobile High-Definition Link) for Smart Phone Content on HDTV
- Picture-in-Picture Input Source Preview with InstaPrevue™ Technology
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- Three-Stage Inverted Darlington Circuitry
- Fully Discrete Output Stage Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology
- Audyssey DSX® and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, LPCM, Dolby True HD, DSD)
- Internet Radio and Cloud Music Streaming Service Connectivity (Pandora®, Rhapsody, Slacker™, SIRIUS XM Internet Radio®, Last.fm, Spotify, AUPEO!, vTuner)††
- Supports Integra Remote Apps for iPod touch®/iPhone®\*\*2 Android Phone®‡, and Kindle Fire
- Compatible with Optional UWF-1 Wireless LAN Adapter
- Compatible with Optional UBT-1 Bluetooth USB Adapter
- Certified with Windows 7 and DLNA Version 1.5
- 8 HDMI Inputs (1 Front/7 Rear) and Dual HDMI Outputs (Simultaneously Active Capable)
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Hybrid Standby Function to Reduce Power Consumption
- Bi-Amping Capability

\*1 Availability of services depends on region. Some services may require a firmware update. Availability of third-party services advertised here is accurate at the time of printing, but may be subject to change without notice.  
 \*\*2 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.  
 †3 Requires Android OS 2.1 or later.

## OTHER FEATURES

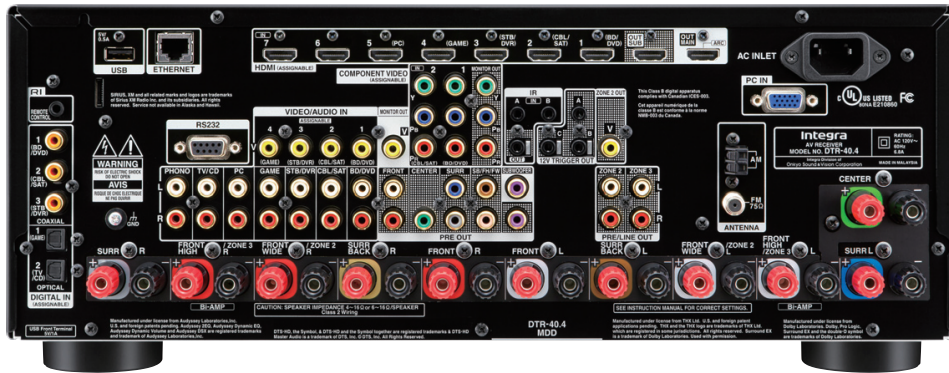
- 110 Watts per Channel 8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC;
- 120 Watts per Channel 8 Ohms, 1 kHz, 0.7% THD, 2 Channels Driven, FTC;
- 125 Watts per Channel 6 Ohms, 1 kHz, 0.7% THD, 2 Channels Driven, FTC
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Discrete Output Stage Circuitry
- Linear Optimum Gain Volume Circuitry
- Advanced 32-Bit Processing DSP Chip
- Advanced Music Optimizer for Compressed Digital Music Files

- 2 USB Ports (1 Front/1 Rear)
  - Direct Mode
  - Audyssey 2EQ® for Room Acoustic Correction
  - Audyssey Dynamic EQ® for Loudness Correction
  - Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
  - Independent Crossover Adjustment for Each Channel (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
  - A/V Sync Control (Up to 800 ms in 1 ms Steps)
  - Color-Coded, 7.2 Multichannel Pre Outs (Including 2 Subwoofer Pre Outs)
  - HDTV-Capable Component Video Switching (2 Inputs and 1 Output)
  - Analog RGB Video Input (D-sub, 15 pin) for PC
  - 5 Composite Video Inputs and 1 Output
  - 5 Digital Audio Inputs (2 Optical and 3 Coaxial)
  - 7 Analog Audio Inputs and 1 Phono Input
  - Display Dimmer (Normal / Dim / Dimmer)
  - 40 FM/AM Random Presets
  - Firmware Updates via Ethernet and USB
  - Preprogrammed RI (Remote Interactive) Remote Control with On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities
- \*Front-Panel HDMI does not support DeepColor.

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
  - Powered Zone 2/3, Zone 2 Video Out, and Zone 2/3 Pre/Line-Outs for Distributed Audio Playback in Multiple Rooms
  - Independent Zone 2 Bass/Treble/Balance Controls
  - Max & Power On Volume Settings for Main Zone, Zone 2 and Zone 3
  - Whole House Mode
  - Smart Grid Ready
  - Dealer Settings Memory Store & Recall with Lock / Unlock
  - Permanently Stored Settings
  - 2 IR Inputs and 1 Output
  - 3 Programmable 12 V Triggers (with Adjustable Delay)
  - Optional Rack Mount Kit Available (IRK-155-3C)
  - RIHD (Remote Interactive over HDMI) for System Control\*
- \*Compatibility depends on respective model.





### SPECIFICATIONS

#### AMPLIFIER SECTION

**Power Output**  
All Channels: 110 W/Ch at 8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC  
120 W/Ch at 1 kHz, 0.7% THD, 2 Channels Driven, FTC  
125 W/Ch at 1 kHz, 0.7% THD, 2 Channels Driven, FTC

**Dynamic Power:** 250 W (3 Ohms, Front)  
220 W (4 Ohms, Front)  
130 W (8 Ohms, Front)

**THD+N**  
(Total Harmonic Distortion + Noise): 0.08% (20 Hz–20 kHz, Rated Power)

**Damping Factor:** 60 (Front, 1 kHz, 8 Ohms)

**Input Sensitivity and Impedance:** 200 mV/47 k-Ohms (Line)  
2.5 mV/47 k-Ohms (Phono MM)

**Rated RCA Output Level and Impedance:** 200 mV/470 Ohms (Pre Out)

**Maximum RCA Output Level and Impedance:** 4.6 V/470 Ohms (Pre Out)

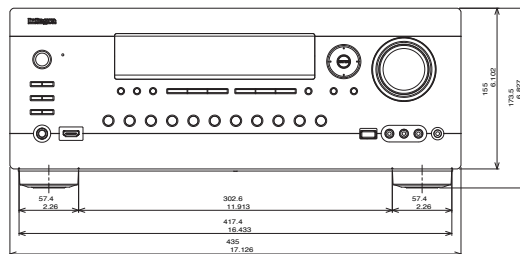
**Phono Overload:** 70 mV (MM, 1 kHz, 0.5%)

**Frequency Response:** 5 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)

**Tone Control:** ±10 dB, 50 Hz (Bass)  
±10 dB, 20 kHz (Treble)

**Signal-to-Noise Ratio:** 106 dB (Line, IHF-A)  
80 dB (Phono MM, IHF-A)

**Speaker Impedance:** 4 Ohms–16 Ohms or 6 Ohms–16 Ohms



#### VIDEO SECTION

**Input Sensitivity/Output Level and Impedance:** 1.0 Vp–p/75 Ohms (Component Y)  
0.7 Vp–p/75 Ohms (Component Pb/Cb, Pr/Cr)  
1.0 Vp–p/75 Ohms (Composite)

**Component Video Frequency Response:** 5 Hz–100 MHz/+0 dB, -3 dB

#### TUNER SECTION

**Tuning Frequency Range:** FM 87.5 MHz–107.8 MHz  
AM 530 kHz–1,710 kHz

**FM/AM Preset Memory:** 40 stations

#### GENERAL

**Power Supply:** AC 120 V~, 60 Hz

**Power Consumption:** 6.8 A

**Stand-by Power Consumption:** 0.1 W

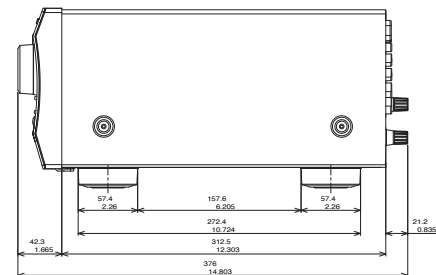
**Dimensions (W x H x D):** 17 1/8" x 6 13/16" x 14 13/16"  
(435 x 173.5 x 376 mm)

**Weight:** 27.1 lbs. (12.3 kg)

**CARTON**

**Dimensions (W x H x D):** 22 7/16" x 11 3/4" x 18 7/16"  
(570 x 298 x 469 mm)

**Weight:** 34.2 lbs. (15.5 kg)



Due to a policy of continuous product improvement, Integra reserves the right to change specifications and appearance without notice. THX Select2 Plus is a trademark of THX Ltd. THX may be registered in some jurisdictions. All rights reserved. Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories. DTS, DTS-HD, the Symbol, & DTS or DTS-HD and the Symbol together are registered trademarks of DTS, Inc. © DTS, Inc. All rights reserved. Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending. Audyssey 2EQ, Audyssey Dynamic EQ, Audyssey Dynamic Volume, and Audyssey DSX are registered trademarks of Audyssey Laboratories, Inc. HDMI, the HDMI logo, and High-Definition Multimedia Interface are registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. "Made for iPod" and "Made for iPhone" mean that an electronic device has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this device with iPod or iPhone may affect wireless performance. Android is a trademark of Google Inc. InstaPrevue and the InstaPrevue logo are trademarks or registered trademarks of Silicon Image, Inc. in the United States and other countries. MHL, the MHL Logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL LLC in the United States and other countries. x.v.Color is a trademark of Sony Corporation. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Qdeo and QuietVideo are trademarks of Marvell or its affiliates. SIRIUS, XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. WRAT, Music Optimizer, and Theater-Dimensional are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

# DTR-30.4

7.2-CHANNEL NETWORK A/V RECEIVER



With the absolute latest in A/V processing and content convergence, the THX®-certified DTR-30.4 elevates you to an exhilarating new level of home entertainment performance.

## ADVANCED FEATURES

- THX® Select2 Plus™ Certified
- 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
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvel
- MHL (Mobile High-Definition Link) for Smart Phone Content on HDTV
- Picture-in-Picture Input Source Preview with InstaPrevue™ Technology
- Direct Digital Connection of iPod®/iPhone® via Front-Panel USB Port
- TI Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels
- Three-Stage Inverted Darlington Circuitry
- Fully Discrete Output Stage Circuitry
- Audyssey DSX® and Dolby® Pro Logic® IIz for New Surround Channels
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio
- Overlaid Graphical On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio and Cloud Music Streaming Service Connectivity (Last fm, MP3 tunes, vTuner, Spotify, AUPEO!)\*<sup>1</sup>
- Supports Integra Remote Apps for iPod touch/iPhone\*<sup>2</sup> and Android Phone\*<sup>3</sup>
- Compatible with UWF-1 Wireless LAN Adapter
- Compatible with UBT-1 Bluetooth USB Adapter
- Certified with Windows® 7 and DLNA Version 1.5
- 8 HDMI Inputs (1 Front/7 Rear) and 2 Outputs
- 2 Parallel Subwoofer Pre Outs
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Hybrid Standby Function to Reduce Power Consumption

<sup>1</sup> Availability of services depends on region. Some services may require a firmware update. Availability of third-party services advertised here is accurate at the time of printing, but may be subject to change without notice.  
<sup>2</sup> Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.  
<sup>3</sup> Requires Android OS 2.1 or later.

## OTHER FEATURES

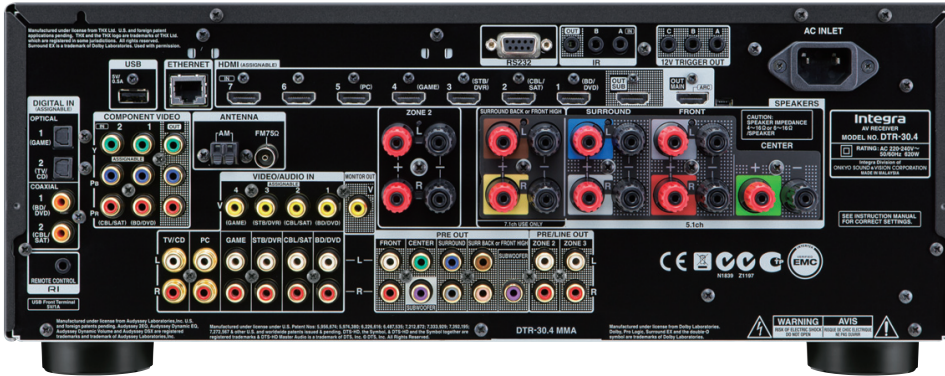
- 160 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Optimum Gain Volume Circuitry
- Advanced 32-Bit Processing DSP Chip
- Advanced Music Optimizer for Compressed Digital Music Files
- 2 USB Ports (1 Front/1 Rear)
- Mass Storage Class USB Memory Playback Capability

- Powered Zone 2 and Zone 3 Pre/Line-Out for Distributed Audio Playback in Another Room
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Audyssey 2EQ® for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Independent Crossover Adjustment (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control (Up to 800 ms at 48 kHz)
- Color-Coded, 7.2 Multichannel Pre Outs (Including 2 Subwoofer Pre Outs)
- 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)
- 7 Analog Audio Inputs (1 front/6 rear)
- Tone Control (Bass/Treble) for Front L/R Channels
- Display Dimmer (Normal/Dim/Dimmer)
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- Preprogrammed RI (Remote Interactive) Remote Control

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Independent Zone 2 Bass / Treble / Balance Controls
- Max & Power On Volume Settings for Main Zone, Zone 2 and Zone 3
- Whole House Mode
- Smart Grid Ready
- Dealer Settings Memory Store & Recall with Lock / Unlock
- Permanently Stored Settings
- 2 IR Inputs and 1 Output
- 3 Programmable 12V Triggers (with Adjustable Delay)
- Optional Rack Mount Kit Available (IRK-155-3C)
- RIHD (Remote Interactive over HDMI) for System Control \*

\*Compatibility depends on respective model.



READY



### SPECIFICATIONS

#### AMPLIFIER SECTION

Power Output  
All Channels: 160 W/Ch at 6 Ω, 1 kHz, 1%,  
1 Channel Driven, IEC  
Dynamic Power  
240 W (3 Ω, 1 ch)  
210 W (4 Ω, 1 ch)  
120 W (8 Ω, 1 ch)  
THD (Total Harmonic Distortion) : 0.08% (Half power)  
Damping Factor: 60 (Front, 1 kHz, 8 Ω)  
Input Sensitivity and Impedance: 200 mV/47 kΩ (Line)  
Rated RCA Output Level and Impedance : 200 mV/2.2 kΩ (Line out)  
Maximum RCA Output Level and Impedance : 2.0 V/2.2 kΩ (Line out)  
Frequency Response: 5 Hz–100 kHz/+1 dB, -3 dB (DSP Bypass)  
Tone Control : ±10 dB, 30 Hz (Bass) ±10 dB, 20 kHz (Treble)  
Signal-to-Noise Ratio: 106 dB (Line, IHF-A)  
Speaker Impedance: 4 Ω–16 Ω or 6 Ω–16 Ω

#### VIDEO SECTION

Input Sensitivity/Output Level and Impedance: 1.0 Vp-p/75 Ω (Component Y)  
0.7 Vp-p/75 Ω (Component Pb/Cb, Pr/Cr)  
1.0 Vp-p/75 Ω (Composite)  
Component Video  
Frequency Response: 5 Hz–100 MHz/+0 dB, -3 dB

#### TUNER SECTION

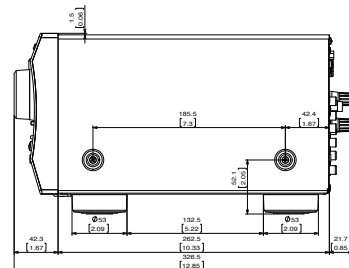
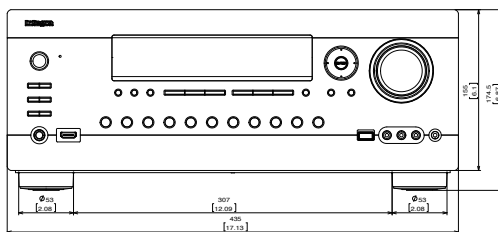
Tuning Frequency Range: FM 87.5 MHz–108 MHz  
AM 522 kHz–1,611 kHz  
FM/AM Preset Memory: 40 stations

#### GENERAL

Power Supply: AC 220–240 V~, 50/60 Hz  
Power Consumption: 620 W  
Stand-by Power Consumption: 0.2 W  
Dimensions (W x H x D): 435 x 174.5 x 326.5 mm  
Weight: 11.5 kg

#### CARTON

Dimensions (W x H x D): 570 x 297 x 423 mm  
Weight: 14.5 kg



Due to a policy of continuous product improvement, Integra reserves the right to change specifications and appearance without notice. THX Select2 Plus is a trademark of THX Ltd. THX may be registered in some jurisdictions. All rights reserved. Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories. DTS, DTS-HD, the Symbol, & DTS or DTS-HD and the Symbol together are registered trademarks of DTS, Inc. © DTS, Inc. All rights reserved. Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending. Audyssey 2EQ, Audyssey Dynamic EQ, Audyssey Dynamic Volume, and Audyssey DSX are registered trademarks of Audyssey Laboratories, Inc. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, iPod, iPod classic, iPod nano, iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. "Made for iPod" and "Made for iPhone" mean that an electronic device has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this device with iPod or iPhone may affect wireless performance. Android is a trademark of Google Inc. InstaPrevue and the InstaPrevue logo are trademarks or registered trademarks of Silicon Image, Inc. in the United States and other countries. MHL, the MHL Logo, and Mobile High-Definition Link are trademarks or registered trademarks of MHL LLC in the United States and other countries. x.v.Color is a trademark of Sony Corporation. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Odeo and QuietVideo are trademarks of Marvell or its affiliates. WRAT, and Music Optimizer are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.



# DTR-20.4

5.2-CHANNEL NETWORK A/V RECEIVER



Inspired design and breathtaking performance await you. With advanced A/V processing, online content integration, and multi-zone audio distribution, the DTR-20.4 effortlessly transforms your home into a high-resolution heaven.

## ADVANCED FEATURES

- HDMI® Support for 3D, Audio Return Channel, Deep Color™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Picture-in-Picture Input Source Preview with InstaPrevue™ Technology
- Direct Digital Connection of iPod®/iPhone® via Front-Panel USB Port
- TI Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels
- Fully Discrete Output Stage Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio
- Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio and Cloud Music Streaming Service Connectivity (Last fm, MP3 tunes, vTuner, Spotify, AUPEO!)\*<sup>1</sup>
- Supports Integra Remote Apps for iPod touch/iPhone®<sup>2</sup> and Android Phone<sup>3</sup>
- Compatible with UWF-1 Wireless LAN Adapter
- Compatible with UBT-1 Bluetooth USB Adapter
- Certified with Windows® 7 and DLNA Version 1.5
- 7 HDMI Inputs and 1 Output
- 2 Parallel Subwoofer Pre Outs
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Hybrid Standby Function to Reduce Power Consumption

<sup>1</sup> Availability of services depends on region. Some services may require a firmware update. Availability of third-party services advertised here is accurate at the time of printing, but may be subject to change without notice.  
<sup>2</sup> Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.  
<sup>3</sup> Requires Android OS 2.1 or later.

## OTHER FEATURES

- 130 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Optimum Gain Volume Circuitry
- Dolby® Pro Logic® IIz for Expanded Surround Channels
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- Advanced 32-Bit Processing DSP Chip
- Advanced Music Optimizer for Compressed Digital Music Files
- 2 USB Ports (1 Front/1 Rear)
- Mass Storage Class USB Memory Playback Capability
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Direct Mode

- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory
- 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)
- Surround Back or Front High Pre Out
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Audyssey 2EQ® for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Independent Crossover Adjustment (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control (Up to 800 ms at 48 kHz)
- Tone Control (Bass/Treble) for Front L/R Channels
- Display Dimmer (Normal/Dim/Dimmer)
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- Preprogrammed RI (Remote Interactive) Remote Control

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Zone 2 Pre/Line-Out for Distributed Audio Playback in Another Room
- Independent Zone 2 Bass / Treble / Balance Controls
- Max & Power On Volume Settings for Main Zone & Zone 2
- Whole House Mode
- Smart Grid Ready
- Dealer Settings Memory Store & Recall with Lock / Unlock
- Permanently Stored Settings
- 2 IR Inputs and 1 Output
- 3 Programmable 12V Triggers (with Adjustable Delay)
- Optional Rack Mount Kit Available (IRK-155-3C)
- RIHD (Remote Interactive over HDMI) for System Control \*

\*Compatibility depends on respective model.

# DTR-20.4

5.2-CHANNEL NETWORK A/V RECEIVER



## SPECIFICATIONS

### AMPLIFIER SECTION

Power Output	
All Channels:	130 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
Dynamic Power	180 W (3 Ω, 1 ch) 160 W (4 Ω, 1 ch) 100 W (8 Ω, 1 ch)
THD (Total Harmonic Distortion) :	0.08% (20Hz-20kHz, Half power)
Damping Factor:	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance:	200 mV/47 kΩ (Line)
Rated RCA Output Level and Impedance :	200 mV/2.2 kΩ (Line out)
Maximum RCA Output Level and Impedance :	2.0V/2.2 kΩ (Line out)
Frequency Response:	5 Hz–100 kHz/+1 dB, -3 dB
Tone Control :	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio:	106 dB (Line, IHF-A)
Speaker Impedance:	6 Ω–16 Ω

### VIDEO SECTION

Input Sensitivity/Output Level and Impedance:	1.0 Vp-p/75 Ω (Component) 0.7 Vp-p/75 Ω (Component Pb/Cb, Pr/CR) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response:	5 Hz–100 MHz, -3 dB

### TUNER SECTION

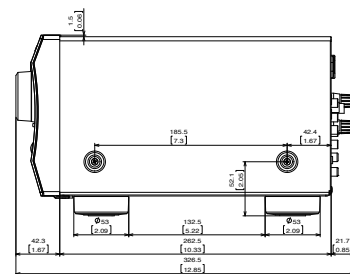
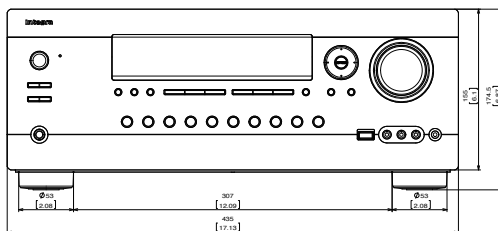
Tuning Frequency Range:	FM 87.5 MHz–108 MHz AM 530 kHz–1,611 kHz
FM/AM Preset Memory:	40 stations

### GENERAL

Power Supply:	AC 230 V~, 50 Hz
Power Consumption:	400 W
Stand-by Power Consumption:	0.15W
Dimensions (W x H x D):	435 x 174.5 x 326.5 mm
Weight:	8.8 kg

### CARTON

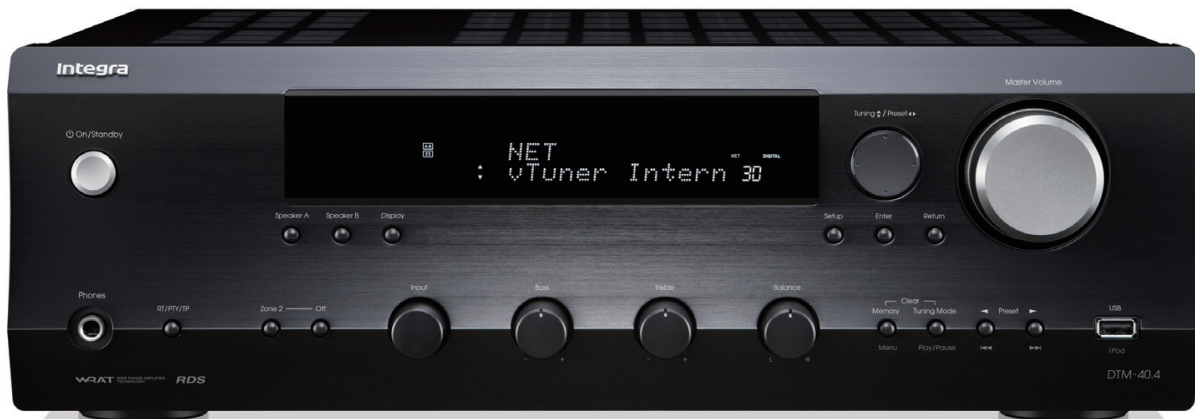
Dimensions (W x H x D):	570 x 297 x 423 mm
Weight:	11.5 kg



Due to a policy of continuous product improvement, Integra reserves the right to change specifications and appearance without notice. Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories. DTS, DTS-HD, the Symbol, & DTS or DTS-HD and the Symbol together are registered trademarks of DTS, Inc. © DTS, Inc. All rights reserved. Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending. Audyssey 2EQ, Audyssey Dynamic EQ, and Audyssey Dynamic Volume are registered trademarks of Audyssey Laboratories, Inc. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, iPod, iPod classic, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. "Made for iPod" and "Made for iPhone" mean that an electronic device has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this device with iPod or iPhone may affect wireless performance. Android is a trademark of Google Inc. x.v.Color is a trademark of Sony Corporation. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Qdeo and QuietVideo are trademarks of Marvell or its affiliates. WRAT, Music Optimizer, and CinemaFILTER are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

# DTM-40.4

NETWORK STEREO RECEIVER



Engineered for pure audio perfection, the DTM-40.4 boasts a superbly crafted discrete amplifier, wireless networking capability, and a host of top-quality audio and video connectivity options—including Zone 2 line-outs—to smoothly orchestrate your home entertainment.

## ADVANCED FEATURES

- WRAT (Wide Range Amplifier Technology)
- Discrete Amplifier Design with Massive EI Transformer
- Two Large 8,200  $\mu$ F Capacitors
- TI Aureus™ DSP Chip (DA830) for Network Audio and Digital Audio Processing
- Direct Digital Connection of iPod®/iPhone® via Front-Panel USB Port
- Handles Playback of Mass Storage Class USB Memory
- Compatible with UWF-1 Wireless LAN Adapter (via USB)
- Supports Integra Remote App for Control of Receiver via iPod/iPhone and Android Phone\*<sup>1</sup>
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio and Music Streaming Service Connectivity (vTuner, Last.fm, Spotify, AUPEO!)\*<sup>2</sup>
- Certified with Windows® 7 and DLNA Version 1.5
- Universal Port for Onkyo Peripheral Devices Such as UP-A1 Dock for iPod/iPhone, UP-DT1 DAB+ Radio Tuner
- Direct Mode
- Audio L/R and Subwoofer Pre Outs
- Speaker A/B Drive

\*<sup>1</sup> Compatible iPod/iPhone models: iPod touch 3rd generation or later, iPhone 3GS or later; running iOS 4.2 or later. \*<sup>2</sup> Availability of services depends on region.

## OTHER FEATURES

- 130 W/Ch at 6  $\Omega$ , 1 kHz, 1%, 1 Channel Driven, IEC
- Gold-Plated Audio and Video Terminals
- 4 Composite Video Inputs and 2 Outputs
- 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
- 6 Analog Audio Inputs and 2 Outputs
- Phono Input
- Banana Plug-Compatible Speaker Posts
- Aluminum Front Panel
- Anti-Vibration Oval Chassis
- Independent Bass, Treble, and Balance Control
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- 40 FM/AM Random Presets

- Direct Access Tuning with 10 Key Buttons (via remote)
- Preset Station Naming (Up to 10 Characters)
- Sleep Timer (via Remote)
- Compatible with RI (Remote Interactive) Dock for the iPod/iPhone
- Full-Function RI Remote Control

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Zone 2 Pre Outs and Video Out for Distributed Audio Playback in Another Room
- Independent Zone 2 Bass / Treble / Balance Control
- Dealer Settings Memory Store & Recall
- Permanently Stored Settings
- 2 IR Inputs and 1 Output
- 3 Programmable 12V Triggers (with Adjustable Delay)





WRAT  
WIDE RANGE AMP TECHNOLOGY



NETWORK



lost.fm



Spotify



USB

RDS

RI



### SPECIFICATIONS

#### AMPLIFIER SECTION

Power Output:	130 W + 130 W (6 Ω, 1 kHz, 0.1%, 1 channel driven, IEC)
Dynamic Power:	180 W + 180 W (3 Ω) 160 W + 160 W (4 Ω) 100 W + 100 W (8 Ω)
THD+N (Total Harmonic Distortion + Noise):	0.08% (20 Hz–20 kHz, Half power)
Damping Factor:	60 (1 kHz, 8 Ω)
Input Sensitivity and Impedance:	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance:	200 mV/2.2 kΩ
Maximum RCA Output Level and Impedance:	2.0 V/2.2 kΩ (Rec out)
Phono Overload:	60 mV (MM, 1 kHz, 0.5%)
Frequency Response:	5 Hz–100 kHz (+1 dB, -3 dB)
Tone Control:	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio:	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance:	4 Ω–16 Ω (A or B), 8 Ω–16 Ω (A + B)

#### VIDEO SECTION

Input Sensitivity/Output  
Level and Impedance: 1.0 Vp-p/75 Ω (Composite)

#### TUNER SECTION

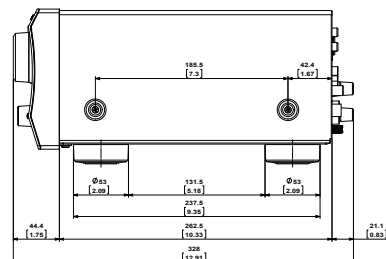
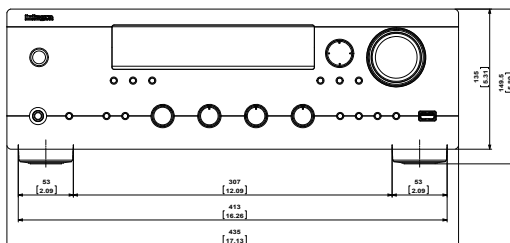
Tuning Frequency Range: FM 87.5 MHz–108 MHz  
AM 522 kHz–1,611 kHz

#### GENERAL

Power Supply: AC 230 V~, 50 Hz  
Power Consumption: 295 W  
Dimensions (W x H x D): 435 x 149.5 x 328 mm  
Weight: 9.0 kg

#### CARTON

Dimensions (W x H x D): 572 x 264 x 419 mm  
Weight: 11.5 kg



Due to a policy of continuous product improvement, Integra reserves the right to change specifications and appearance without notice. iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Aureus is a trademark of Texas Instruments. WRAT is a trademark of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

# Integra®

# DHC-80.3

9.2-CHANNEL NETWORK A/V CONTROLLER



Like you, Integra's design engineers are passionate about precision audio-visual equipment. If everything on your pre-pro wish list is included in our stunning DHC-80.3 network controller, well, great minds think alike.

## ADVANCED FEATURES

- THX® Ultra2 Plus™ Certified
  - 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
  - High-Quality HQV® Vida™ VHD1900 Video Processor
  - ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
  - HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
  - Component Video Upscaling to 1080i with HQV
  - 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
  - Direct Digital Connection of iPhone® / iPod® via Front-Panel USB Port
  - Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
  - Internet Radio and Music Streaming Connectivity (vTuner, Last.fm, Spotify, AUPEO!)\*
  - Certified with Windows® 7 and DLNA Version 1.5
  - VLSC™ (Vector Linear Shaping Circuitry) for All Channels
  - Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
  - TI Burr-Brown 192 kHz/32-Bit DACs (PCM1795 x 6) for All Channels
  - Three-Stage Inverted Darlington Circuitry
  - PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology
  - DSD Direct for Super Audio CD
  - DTS Neo:X™, Audyssey DSX™, and Dolby® Logic® Ilz for Expanded Surround Channels
  - Audyssey MultEQ® XT32 to Correct for Room Acoustics
  - Audyssey MultEQ Pro Ready with Target EQ Curve Editing
  - 2-Channel Balanced XLR Audio Inputs
  - 9.2 Multichannel Balanced XLR Pre Outs (with Front Bi-Amp Capability)
  - Overlaid Graphical On-Screen Display (OSD) and GUI Navigation via HDMI
  - 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
  - Analog RGB Input (D-sub, 15 pin) for PC Video
  - Compatible with UWF-1 Wireless LAN Adapter (via Front-Panel USB Port)
  - Gold-Plated, Machined Solid Brass, 19mm-pitch Audio Inputs (TV/CD and Phono)
  - Universal Port for Onkyo Peripheral Devices Such as UP-A1 Dock for iPod/iPhone, UP-DT1 DAB+ Tuner
  - Color-Coded, 7.1 Multichannel Inputs
  - Bi-Amping Capability
  - Dolby® Volume for Reference-Quality Listening at Any Volume
- \*Availability of services depends on region.

## OTHER FEATURES

- Linear Optimum Gain Volume Circuitry
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- Advanced 32-Bit Processing DSP Chips (DA830 x1, CS49834 x1)
- Advanced Music Optimizer for Compressed Digital Music Files
- Handles Playback of Mass Storage Class USB Memory

- Direct Mode
- A-Form Listening Mode Memory
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Independent Crossover Adjustment for Each Channel (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control (Up to 800 ms in 1 ms Steps)
- Color-Coded, 9.2 Multichannel Pre-Outs (Including 2 Independent Subwoofer Pre-Outs)
- 2 USB Ports (Front and Rear Panel)
- HDTV-Capable Component Video Switching (3 Inputs and 1 Output)
- 5 Composite Video Inputs and 2 Outputs
- 4 S-Video Inputs and 2 Outputs
- 7 Digital Audio Inputs (4 Optical and 3 Coaxial)
- 7 Analog Audio Inputs and 1 Output
- Phono Input
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- Zone 2/3 and Zone 2/3 Pre-Outs, and Zone 2 Video Out for Distributed A/V Playback in Multiple Rooms
- Zone 2 and Zone 3 Subwoofer Outputs
- Zone 2 Monitor Output (Component and Composite Video)
- Independent Zone 2 and Zone 3 Tone Control (Bass/Treble) for All Channels
- Max & Power On Volume Settings for Main Zone & Zone 2 / Zone 3
- Dealer Settings Memory Store & Recall with Lock / Unlock
- Permanently Stored Settings
- 2 IR Inputs and 1 Output
- 3 Programmable 12V Triggers (with Adjustable Delay)
- Optional Rack Mount Kit Available (IRK-180-4A)
- RIHD (Remote Interactive over HDMI) for System Control \*

\*Compatibility depends on respective model.

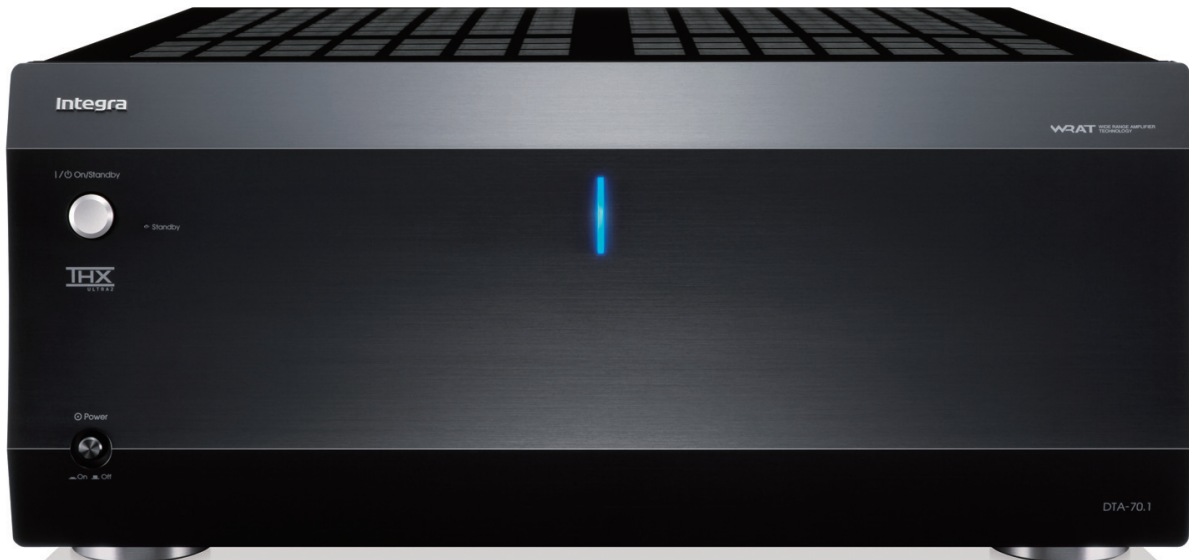
Inspired By Passion-Driven By Excellence





# DTA-70.1

9-CHANNEL AMPLIFIER



Talk softly, but carry a big stick. Behind the simple facade of the THX® Ultra2™ Certified DTA-70.1 lies enough amplification muscle to power even the most demanding home theater. Enjoy diamond-sharp precision, whatever the volume.

- 220 W/Ch at 6Ω, 1 kHz, 1 Channel Drive, IEC
- THX Ultra2 Certified
- WRAT (Wide Range Amplifier Technology)
- HICC (High Instantaneous-Current Capability)
- Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry to Remove Distortion
- All Discrete Output Stage Circuitry
- Massive Toroidal Transformer
- Two Large, Customized, 22,000 μF Capacitors for Effective Power Supply
- Audio-Tuned Reference Capacitors for Each Channel
- Large, Custom-Designed Power Transistors to Drive High Currents
- Low-Impedance, Copper Bus Plates for Perfect Ground Potential
- High-Current, Low-Impedance Circuit Boards with Thick Copper Foil (70 μm)
- Flat, High-Rigidity, Anti-Resonant Chassis
- Gold-Plated XLR Inputs
- Machined Solid Brass RCA Inputs
- Gold-Plated, Color-Coded, Banana Plug-Compatible, Transparent Speaker Posts
- Multi-Zone Capability (up to Zone 3)\*
- Bi-Amping Capability\*
- 12 V Trigger Input
- Auto Power Down Function
- Aluminum Front Panel

\* Depending on A/V Controller.

#### HICC (High Instantaneous-Current Capability)—Experience audio with greater dynamics

When an amplifier outputs an audio signal, the connected speakers accumulate energy, reflex, and send energy back to the amplifier. The amplifier must then immediately cancel the speakers' reflex energy and instantaneously send out the next signal. The same high current required to achieve this is also necessary to handle speaker impedance fluctuations, which can force an amplifier to provide four to six times its usual current load. The DTA-70.1's instantaneous current capability ensures that audio output is not affected by power limitations. In order to handle high levels of instantaneous current, the DTA-70.1 incorporates several key design features.

(1) Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry  
Found only in high-end amplifiers, this ultra-sensitive circuitry reduces distortion by maintaining voltage stability and enhancing transient response.

(2) Improved Board Design  
The DTA-70.1 features an improved board design with short signal pathways to reduce electromagnetic interference. The board is also designed to optimize power delivery to the speaker drivers.

(3) Symmetrical Layout  
The amplifier design also incorporates a symmetrical alignment of power devices for each channel. With channels built to be identical in terms of electrical, structural, heat-generating, weight, and electromagnetic characteristics, errors in stereophonic playback are minimized.

#### All-Analog Circuitry Unaffected by Digital Noise

A standard integrated A/V receiver has the dual task of both processing and amplifying audio signals, and is therefore susceptible to noise interference from digital circuitry. As a dedicated power amp with all-analog circuitry, the DTA-70.1 suffers no such interference. When partnered with a high-quality pre-pro, the DTA-70.1 offers all the benefits of pure analog amplification: a warm, musical, and full-bodied sound.

#### THX® Ultra2™ Certified

When a home cinema component receives THX certification, it is your guarantee that it will accurately present movies the way they were mixed by the filmmaker in the studio. In the case of THX Ultra2 certification—the ultimate benchmark for home audio performance—a power amplifier must offer high-quality, high-output performance for multi-channel playback in large rooms. Among the strict criteria that THX uses for judging the quality of a power amplifier are measurements of continuous power output, distortion levels, and heat generation.



WRAT  
WIDE RANGE AMP TECHNOLOGY

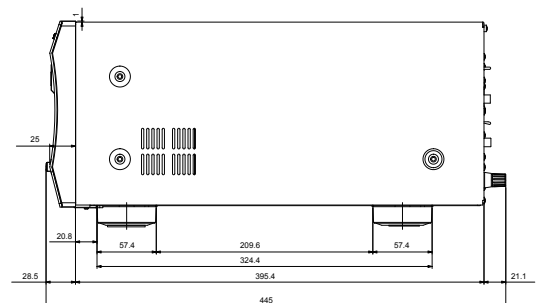
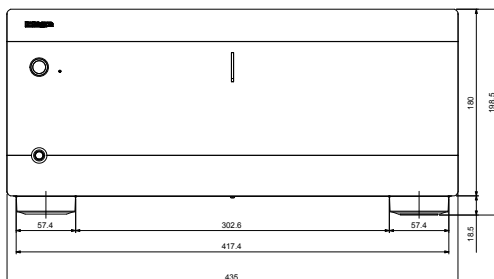
### SPECIFICATIONS

#### AMPLIFIER SECTION

Power Output:	
All Channels:	220 W/Ch at 6 $\Omega$ , 1 kHz, 1 Channel Drive, IEC
Dynamic Power:	400 W (3 $\Omega$ , Front) 300 W (4 $\Omega$ , Front) 180 W (8 $\Omega$ , Front)
THD (Total Harmonic Distortion):	0.05% (Rated power)
Damping Factor:	60 (Front, 1 kHz, 8 $\Omega$ )
Input Sensitivity and Impedance:	1 V/47 k $\Omega$ (Balanced) 2 V/22 k $\Omega$ (Unbalanced)
Frequency Response:	5 Hz–100 kHz/+1 dB, -3 dB
Signal-to-Noise Ratio:	110 dB (Unbalanced, IHF-A)
Speaker Impedance:	4 $\Omega$ –16 $\Omega$ or 6 $\Omega$ –16 $\Omega$

#### GENERAL

Power Supply:	AC 220–240 V, 50/60 Hz
Power Consumption:	1,050W
Dimensions (W x H x D):	435 x 198.5 x 445 mm
Weight:	23.0kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. THX Ultra2 is a trademark of THX Ltd. THX may be registered in some jurisdictions. WRAT is a trademark of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

# ADM-30.1

INTEGRATED STEREO POWER AMPLIFIER



## ADVANCED FEATURES

- Exclusive Onkyo VL Digital Technology
- Separate Transformers for L/R Channels
- New Custom-Designed, Audio-Tuned Reference Capacitors
- Daisy-Chain Connectability to Other Power Amp
- Capable of Driving Low-Impedance Devices (2 Ohm Stable)
- Low-Impedance Copper Bus Plates for Perfect Ground Potential
- Hi-Rigidity, Anti-Resonant Flat Chassis (1.6 mm Thick)
- 19mm-Pitch Audio Terminals for High-Grade Cable

## OTHER FEATURES

- 90 W/Ch at 4  $\Omega$ , 1 kHz, 2 Channel Driven, JEITA
- 40 W/Ch at 8  $\Omega$ , 1 kHz, 0.8%, 2 Channel Driven, FTC
- 40 W/Ch at 8  $\Omega$ , 1 kHz, 1 Channel Driven, IEC
- Input Level Adjustment
- Audio Sensing Level Control(-6 dB-0 dB) and On / Off Switch
- 1 Audio Input and 1 Output
- 12V Trigger In / Out and 12V Remote On / Off Switch
- Auto on Function (On/Off Control for Audio Sense and 12V Trigger)
- Gold-Plated, Banana Plug-Compatible Transparent Speaker Posts
- Heavy-Duty Inlet Power Cord
- Aluminum Front Panel





VL Digital

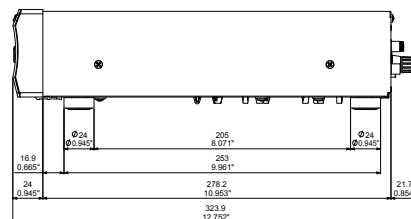
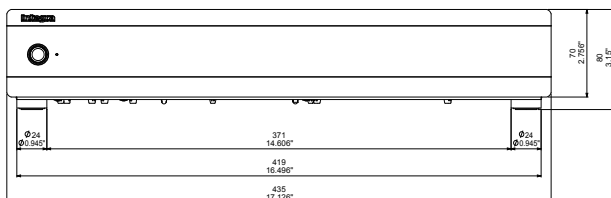
### SPECIFICATIONS

#### AMPLIFIER SECTION

Power Output:	90 W/ch at 4 Ω, 1 kHz, 2 Channel Driven, JEITA 40 W/ch at 8 Ω, 1 kHz, 0.8%, 2 Channel Driven, FTC 40 W/ch at 8 Ω, 1 kHz, 1 Channel Driven, IEC
Dynamic Power:	115 W at 3 Ω 90 W at 4 Ω 45 W at 8 Ω
Total Harmonic Distortion:	0.08% (1 kHz, 8 Ω, 1 W Output)
Damping Factor:	60 (1 kHz, 8 Ω)
Input Sensitivity and Impedance:	LINE 200 mV/33 kΩ
Output Level and Impedance:	200 mV/2.0 kΩ
Frequency Response:	5 Hz–60 kHz (+1, -3 dB, CD)
Signal-to-Noise Ratio:	100 dB (LINE, IHF-A),
Speaker Impedance:	4 Ω–16 Ω

#### GENERAL

Power Supply:	AC 220-240 V, 50/60 Hz
Power Consumption:	70 W
Dimensions (W x H x D):	435 x 80 x 340 mm
Weight:	9.6 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. All other trademarks and registered trademarks are the property of their respective holders.

# DPS-6.9

1080P UPSCALING  
DVD-AUDIO/VIDEO AND SUPER AUDIO CD PLAYER



## ADVANCED FEATURES

- Plays DVD Video, Video CD, Super Audio CD, DVD Audio, Audio CD, CD-R/RW, DVD-R/RW, DVD+R/RW, DVD-R DL, DVD+R DL\*<sup>1</sup>
- Plays MP3, WMA, DivX®, and JPEG (with HD JPEG Resolution via HDMI) Formats
- HDMI™ Digital Interface
- 1080p Video Upscaling (via HDMI Output)
- 5.1-Channel PCM Audio Output and Direct Stream Digital (DSD) via HDMI
- RIHD (Remote Interactive over HDMI) for System Integration (Compatible with RIHD-Enabled A/V Receivers, Panasonic VIERA Link™, and Toshiba REGZA LINK™ Displays)
- VLSC (Vector Linear Shaping Circuitry)
- 108 MHz/14-Bit Video DAC
- Three Burr-Brown (PCM1796) 192 kHz/24-Bit Audio DACs
- Simultaneous Output from All Video Connections\*<sup>2</sup>
- Disc Navigator for Browsing Video and Audio Content (Including MP3, WMA, JPEG, and DivX Files)
- Downmixing to Two Channels (Front/D.mix 1 or 2 Outputs)

\*<sup>1</sup> Discs that have not been properly finalized may only be partially playable or not playable at all.

\*<sup>2</sup> Depending on setting

## CONNECTIVITY, PROCESSING AND PLAYBACK FEATURES

- DTS Digital Surround® and Dolby® Digital
- 480i/576i Video Output for Processing by Advanced Scaling Devices
- Component Video (BNC/RCA), S-Video (x2), and Composite Video (x2) Outputs
- Coaxial and Optical Digital Outputs
- IR Input and Output
- RS232 Port for Control
- Two RI (Remote Interactive) Terminals
- Frame-by-Frame Playback
- Slow Motion DVD Playback
- Repeat Play and Search Modes
- Programmed Memory Playback
- Multi-Camera Angle
- Last Play Memory and Resume Function
- Zoom Function
- View Mode

## OTHER FEATURES:

- Elastomer Base for Disc Drive to Protect Internal Circuitry from Vibrations
- Onscreen Display (English, French, Spanish, German, Italian, Japanese)
- Displays ID3 Tags for MP3 and WMA
- RI (Remote Interactive) Remote Control



## HDMI



## SPECIFICATIONS

### VIDEO SECTION

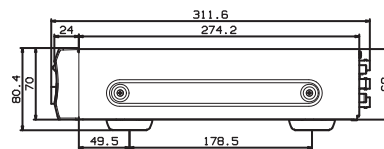
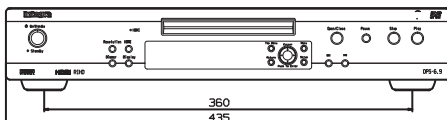
Component Video Output/Impedance:	Y: 1.0 V (p-p), 75 Ω, negative sync, RCA x 1, BNC x 1 PB/PR: 0.7 V (p-p), 75 Ω
S-Video Output/Impedance:	1.0 V (p-p), 75 Ω, negative sync, 4-pin mini DIN x 2 C: 0.286 V (p-p), 75 Ω
Composite Video:	1.0 V (p-p), 75 Ω, negative sync, RCA x 2
Component Video Frequency Response:	5 Hz-50 MHz

### AUDIO SECTION

Frequency Response	
Super Audio CD:	4 Hz-50 kHz (192 kHz)
DVD Audio:	4 Hz-88 kHz (192 kHz)
DVD Linear Sound:	4 Hz-44 kHz (96 kHz) 4 Hz-22 kHz (48 kHz)
Audio CD:	4 Hz-20 kHz (44.1 kHz)
S/N Ratio:	106 dB
Audio Dynamic Range:	96 dB
THD (Total Harmonic Distortion):	0.004% (1 kHz)
Wow and Flutter:	Below threshold of measurability
Audio Output:	Optical -22.5 dBm
Audio Output/Impedance:	Coaxial 0.5 V <sub>p-p</sub> /75 Ω Analog 2 V (rms)/440 Ω, Pin jack (5.1 ch) x 1 Pin jack (L/R) x1

### GENERAL

Power Supply:	AC 100-240 V, 50/60 Hz
Power Consumption:	22 W
Standby Power Consumption:	0.5 W
Dimensions (W x H x D):	435 x 80.4 x 311.6 mm
Weight:	3.7 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice.

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

DTS is a registered trademark & the DTS logo and symbol are trademarks of DTS, Inc.

Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

DivX is a registered trademark of DivX, Inc.

VLSC is a trademark of Onkyo Corporation.

All other trademarks and registered trademarks are the property of their respective holders.



# Integra®

# DPC-7.9

1080P UPSCALING  
DVD/CD/MP3 6-DISC CAROUSEL CHANGER



## ADVANCED FEATURES

- Plays DVD Video, Audio CD, CD-R/RW, DVD-R/RW, DVD+R/RW, DVD-R DL, DVD+R DL\*<sup>1</sup>
- Plays MP3, WMA, and JPEG (with HD JPEG Resolution via HDMI) Formats
- HDMI™ Digital Interface
- 1080p Video Upscaling (via HDMI Output)
- Exclusive 6-Disc Changer Mechanism
- Change up to 5 Discs During Play
- RIHD (Remote Interactive over HDMI) for System Integration (Compatible with RIHD-Enabled A/V Receivers and Panasonic VIERA Link™ Displays)
- VLSC (Vector Linear Shaping Circuitry)
- 108 MHz/14-Bit Video DAC
- 192 KHz/24-Bit Audio DAC
- Simultaneous Output from All Video Connections\*<sup>2</sup>
- Disc Navigator for Browsing Video and Audio Content (Including MP3, WMA, and JPEG Files)

\*<sup>1</sup> Discs that have not been properly finalized may only be partially playable or not playable at all.

\*<sup>2</sup> Depending on setting

## CONNECTIVITY, PROCESSING AND PLAYBACK FEATURES

- DTS Digital Out® and Dolby® Digital
- 480i/576i Video Output for Processing by Advanced Scaling Devices
- Component Video (BNC/RCA), S-Video (x2), and Composite Video (x2) Outputs
- Coaxial and Optical Digital Outputs
- IR Input and Output
- RS232 Port for Control
- Two RI (Remote Interactive) Terminals
- Frame-by-Frame Playback
- Slow Motion DVD Playback
- Repeat Play, Search Mode, Party Mode, and Chain Mode Play
- Programmed Memory Playback
- Last Play Memory and Resume Function
- Zoom Function
- View Mode (Normal; View Mode 1/2/3)
- Multi-Camera Angle

## OTHER FEATURES:

- Isolated Circuit Layout Design to Minimize Digital Noise
- Onscreen Display (English, French, Spanish)
- Displays ID3 Tags for MP3 and WMA
- RI (Remote Interactive) Remote Control

Designed to Integrate. Built to Stimulate.



## HDMI



## MP3



## RI

## SPECIFICATIONS

### VIDEO SECTION

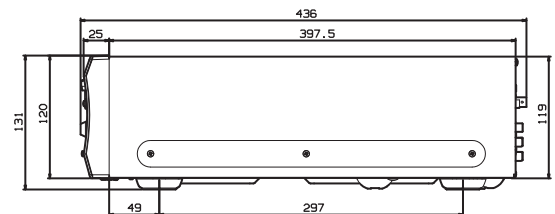
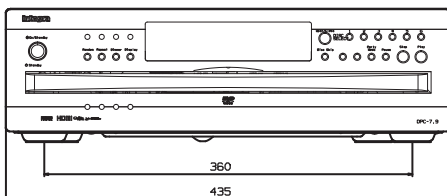
Component Video Output/Impedance:	Y: 1.0 V (p-p), 75 Ω, negative sync, PB/PR: 0.7 V (p-p), 75 Ω RCA x 1, BNC x 1
S-Video Output/Impedance:	0.7 V (p-p), 75 Ω, negative sync, 4-pin mini DIN x 2 C: 0.286 V (p-p), 75 Ω
Composite Video:	1.0 V (p-p), 75 Ω, negative sync, RCA x 2
Component Video Frequency Response:	5 Hz-50 MHz

### AUDIO SECTION

Frequency Response	
DVD Linear Sound:	4 Hz-44 kHz (96 kHz) 4 Hz-22 kHz (48 kHz)
Audio CD:	4 Hz-20 kHz (44.1 kHz)
S/N Ratio:	95 dB
Audio Dynamic Range:	95 dB
THD (Total Harmonic Distortion):	0.007% (1 kHz)
Wow and Flutter:	Below threshold of measurability
Audio Output:	Optical -22.5 dBm
Audio Output/Impedance:	Coaxial 0.5 Vp-p/75 Ω Analog 2.0 V (rms)/540Ω

### GENERAL

Power Supply:	AC 100-240 V, 50 Hz
Power Consumption:	15 W
Standby Power Consumption:	0.5 W
Dimensions (W x H x D):	435 x 131 x 436 mm
Weight:	6.3 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice.

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

DTS and DTS Digital Out are trademarks of DTS, Inc.

Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

VLSC is a trademark of Onkyo Corporation.

All other trademarks and registered trademarks are the property of their respective holders.

# Integra®

# DBS-30.3

BLU-RAY DISC PLAYER



Versatility is the keyword for the superbly engineered DBS-30.3. Not only does it support 3D video and a huge array of other A/V formats on a variety of disc types, it also puts popular Video on Demand services at your fingertips.

## ADVANCED FEATURES

- Supports Blu-ray 3D Playback (When Connected to a 3D-Compatible TV)
- HDMI® Output Supports 3D, 1080p, DeepColor™, x.v.Color™ (JPEG Only), and CEC
- Dolby® TrueHD and Dolby® Digital Plus Decoding
- Supports DTS-HD Master Audio™ Essential
- Upscaling of All Standard-Definition Video Sources to 1080p (1080i, 720p, and 480p)
- Certified with DLNA ver. 1.5 for Streaming Videos, Photos, and Music
- Plays AVCHD\*, DivX HD, MP3, WMA and JPEG Formats
- BD-Live Functionality for Interactive Content
- Ethernet Port for BD-Live, DLNA, Firmware Updates, and Media Streaming via Internet or Home Network
- Center Mounted Drive Mechanism for Optimal Weight Balance
- 1080/24p Video Output for Full-HD Movies
- USB Port for Media Content

*\*Encoded on DVD±R/RW only*

## OTHER FEATURES

- Plays BD-Video (BD-ROM, BD-R/RE), DVD-Video (DVD-ROM, DVD±R/RW, DVD±R DL), Audio CD, MP3 CD, DTS-CD, and CD-R/RW\*
- 2 Digital Audio Outputs (Optical/Coaxial)
- Audio, Component, and Composite Video Outputs
- 19 mm-Pitch Audio Output for High-Grade Cable
- Picture-in-Picture Video and Audio Configuration (BD Only)
- On-Screen Display for Settings and Playback (English/French/German, Italian, Spanish, Dutch, Portuguese, Swedish, Russian, Polish)
- Display Dimmer (Auto/Bright/Dimmer)
- Repeat Playback Modes for BD, DVD, and CD (All/Chapter/Title/Track, and A-B [for CD Only])
- Angle and Resume Playback (for BD and DVD)
- Heavy-Duty Detachable Power Cord
- Aluminum Front Panel
- Firmware Updates via Ethernet and USB
- Remote Control

*\*Discs should be properly finalized.*

## CUSTOM INTEGRATION FEATURES

- Bi-Directional Ethernet and RS232 Port for Control
- E-control Capability via Ethernet Port
- IR Input / Output
- HDMI CEC for System Control
- 10 HDCP Keys
- Preset Video Adjustments for Sharpness, Contrast, Brightness, Gamma Correction, Color and Noise Reduction
- Optional Rack Mount Kit (IRK-110-3A)

Inspired By Passion-Driven By Excellence



# DBS-30.3

BLU-RAY DISC PLAYER



## SPECIFICATIONS

### VIDEO SECTION

Signal System:	NTSC/PAL
Composite Video Output Impedance:	1.0 V(p-p)/75 Ω, negative sync, RCA
S-Video Output Impedance:	Y: 0.7 V(p-p)/75 Ω, negative sync, 4-pin mini, DIN C: Y:0.286 V(p-p)/75 Ω
Component Video Frequency Response:	5 Hz-50 MHz
Component Video Resolution:	480i/576i, 480p/576p, 720p, 1080i, 480i/576i (Blu-Ray)
HDMI Video Resolution:	480p/576p, 720p, 1080i/1080p/1080p24 Auto

### AUDIO SECTION

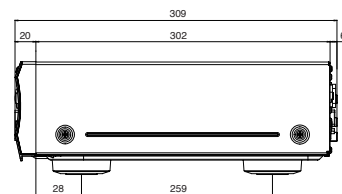
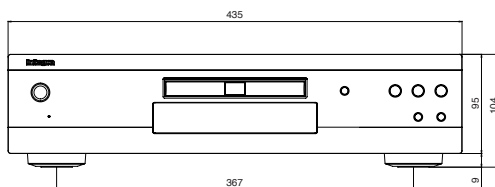
Frequency Range:	BD 4 Hz-88 kHz (192kHz)
DVD linear Sound	4 Hz-44 kHz (96kHz) 4 Hz-22 kHz (48kHz)
Audio CD:	4 Hz-20 kHz (44.1 kHz)
SN Ratio:	100dB
Audio Dynamic Range:	86 dB
THD:	0.005% (1 kHz)
Wow and Flutter:	Below threshold of measurebility
Audio Output:	-15 dBm (Digital/Optical)
Audio Output/Impedance:	0.5 Vp-p/75 Ω (Digital/Coaxial) 2.0 V (rms) / 320 Ω

### GENERAL

Power Supply:	AC 230 V~, 50 Hz
Power Consumption:	22W
Standby Power Consumption:	0.1W
Dimensions (W x H x D):	435 x 104 x 309 mm
Weight:	3.9 kg

### CARTON

Dimensions (W x H x D):	551 x 217 x 411 mm
Weight:	5.4 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. Blu-ray Disc, Blu-ray, Blu-ray 3D, BD-Live, BONUSVIEW, and the logos are trademarks of the Blu-ray Disc Association. DivX(R), DivX Certified(R) and associated logos are trademarks of DivX, Inc. and are used under license. Dolby and the double-D symbol are trademarks of Dolby Laboratories. DTS, DTS-HD, and the DTS symbol are registered trademarks and the DTS logo is a trademark of DTS, Inc. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. x.v.Color is a trademark of Sony Corporation. AVCHD and the AVCHD logo are trademarks of Panasonic Corporation and Sony Corporation. All other trademarks and registered trademarks are the property of their respective holders.