

Inspired Engineering

With over a century of refined craftsmanship and groundbreaking advances in piano manufacturing and technology, Yamaha has thrived on a long-established reputation of building world-class instruments. Over 25 years ago, Yamaha combined traditional craftsmanship with innovative engineering techniques to produce an instrument that is truly the apex of professional piano reproducing systems - the Yamaha Disklavier. Today, the Disklavier ENSPIRE™ personifies that harmony of traditional acoustic artistry and enhanced technological brilliance.

disklavier **ENSPiRE™**

The world's most advanced piano



DC3XENPRO

Specification

Series Type	Disklavier ENSPIRE				
	CL	ST		PRO	
Piano	GB1K *	Grand Piano	Grand Piano	Upright Piano	Grand Piano
Silent System	—	GB1K *	GC1, GC2, C1X, C2X *	U1, YUS1, YUS3, YUS5 *	C3X, C5X, C6X, C7X, CF4, CF6, CFX *
Recording & Playback	—	Yes (Motor-driven hammer shank stopper)			
Tone Generation	Piano Sound	CFX Binaural Sampling / CFX Stereo Sampling			
	Pitch Control	414.8 HZ- 466.8 Hz (Tunable in ±0.2 Hz)			
	Number of Voices for Playing	16 (Piano, Electric Piano 1-3, Harpsichord 1 & 2, Vibraphone, Celesta, Pipe Organ 1-4, Jazz Organ, Strings, Choir, Synth Pad)			
	Compatibility	XG, GM			
	Normal Voices for Playback	480 XG Voices & 12 Drum Kits			
Number of Polyphony (Max)	256				
Built-in Songs	500 (Pop, Jazz, Classical etc.)		500 (Pop, Jazz, Classical, Smart Key etc.)		
Compatible Storage Media	USB Flash Memory (Optional)				
Compatible Song Format	PianoSoft, PianoSoft Plus, PianoSoft Audio		PianoSoft, PianoSoft Plus, PianoSoft Audio, SmartKey		
Compatible File Format	SMF (Standard MIDI File, Format 0 & 1), MP3, WAV				
Sensor Unit	Key Sensors	Non-contact Optical Fiber Grayscale Shutter Sensing System for 88 keys (Sensors for the key position, keying velocity, and key releasing velocity)			
	Hammer Sensors	Non-contact Optical Fiber/shutter Sensing System			
	Pedal Sensors	Damper pedal: Non-contact Optical Position-sensing System	Damper & Shift pedal: Non-contact Optical Position-sensing System Sostenuto pedal: ON/OFF Detection Sensing System	Damper & Soft pedal: Non-contact Optical Position-sensing System	Damper & Shift pedal: Non-contact Digital Optical Position-sensing System Sostenuto pedal: ON/OFF Detection Sensing System
Drive Unit	Key Drive	DSP Drive System	DSP Servo Drive System (Servo-controlled solenoids, Key sensor feedback)	DSP Servo Drive System (Servo-controlled solenoids, Key sensor feedback)	DSP Servo Drive System (High-power servo-controlled solenoids with supersensitive magnetic sensor, Key/hammer sensor feedback)
	Pedal Drive	—			
	Damper Drive	DSP Servo Drive System (Servo-controlled solenoids)			
Connectivity	MIDI	MIDI IN, MIDI OUT		MIDI IN, MIDI OUT	
	Audio	OUTPUT (MONORAL), OMNI IN, OMNI OUT (STEREO), DIGITAL OUT		OUTPUT, OMNI IN, OMNI OUT, DIGITAL OUT, Headphones (Mini)	
	Others	LAN, USB TO HOST x 1, USB TO DEVICE x 3		LAN, USB TO HOST, USB TO DEVICE x 2	
Power Source	AC100 V - 240 V, 50/60 Hz				
Accessories	Monitor Speaker * Speaker Hanger * Operation Manual Built-in Song List Music Book 50 Greats for the Piano USB Wireless LAN Adaptor (UD-WL01) *	Monitor Speaker x2 * Speaker Hanger x2 * Stereo Headphone Operation Manual Built-in Song List Music Book 50 Greats for the Piano USB Wireless LAN Adaptor (UD-WL01) *	Stereo Headphone Operation Manual Built-in Song List Music Book 50 Greats for the Piano USB Wireless LAN Adaptor (UD-WL01) *	Monitor Speaker x2 * Speaker Hanger x2 * Stereo Headphone Operation Manual Built-in Song List Music Book 50 Greats for the Piano USB Wireless LAN Adaptor (UD-WL01) *	

- * Items marked with an asterisk may not be available in all countries
- Specifications are subject to change without notice
- All models, cabinet colors and finishes included in this brochure may not be available in all countries
- The cabinet colors and finishes in this brochure may appear different than those on the actual products
- Depending on region, a piano bench may not be supplied, or may differ from that shown here



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YAMAHA

disklavier **ENSPiRE™**

Experience A Piano Like No Other

At the heart of every Disklavier is a beautifully crafted Yamaha acoustic piano. Whether you are playing, being treated to a live performance or enjoying the playback of a recorded piece, you can delight in the presence and resonance of a superb sounding acoustic piano. The Disklavier ENSPIRE™ truly captures and illustrates the beauty of a piano performance. With just one tap, the keys and pedals of the Disklavier come to life, effortlessly in their motion, recreating a precise portrayal of the artist's intentions.



Effortless Integration

Wireless network connectivity and seamless compatibility with mobile devices, smartphones and computers allows control wherever you are.



Thousands of Performances In One Masterpiece

The Disklavier ENSPIRE allows you to revel in whatever music suits your mood or occasion, from classical solo piano or concerto selections to your favorite jazz or pop songs on piano – accompanied by audio and vocals. An easy-to-use and intuitive UI design provides direct access to over 500 built-in songs and over 6,000 performances that can be downloaded directly to the instrument from the Yamaha MusicSoft online store.

The ENSPIRE also offers revolutionary streaming radio and TV services, allowing you to discover and enjoy thousands of piano performances in the comfort of your own home. Yamaha Piano Radio gives you instant access to over 30 channels of 24-hour streaming piano music, while DisklavierTV puts you in the front row of live or on-demand video concerts and performances that play in perfect sync with your piano.* *DisklavierTV is currently only available in the United States

Types

PRO

The pinnacle of reproducing technologies, the ENSPIRE PRO offers the highest resolution recording and playback paired with the highest quality acoustic pianos for those who want nothing but the best.

ST

A piano of unlimited potential, the ENSPIRE ST provides full recording and playback functionality, the patented Yamaha SILENT Piano™ System for users who want more from their acoustic piano.

CL

The ENSPIRE CL is the perfect experiential centerpiece for any environment. Add a sophisticated, fun or soulful musical ambiance to entertain and enjoy.

The Sound of Innovation

Yamaha SILENT Piano™ technology allows you to listen, learn and play without being disturbed or disturbing others. This innovative technology is built into every ENSPIRE ST and PRO model Disklavier, giving you increased flexibility and more opportunities to enjoy your piano.



Inspired By Technology, Powered By Performance

Extremely accurate recording functions allow teachers and students to critique recorded performances-providing new ways for students to enhance their musical development.

Internet-enabled remote capabilities grant institutions the power to teach and students the flexibility to learn and audition remotely. Proprietary video sync technology gives educators the ability to create, archive and share an acoustic piano driven visual masterclass.



Sharpening The Cutting-Edge

The Disklavier ENSPIRE PRO is the only instrument with fully integrated high-resolution recording and playback functionality. Equipped with a cutting-edge optical sensor system that meticulously captures every nuanced movement of the keys, hammers and pedals, the ENSPIRE will precisely reproduce the speed of each hammer as it strikes the string, the finest detail of your pedaling, and even the velocity of your key release.

