HELGI
THE DIGITAL COURTYARD

www.HELGI-europe.com

Interactive Display 98”

New integrated **Octa-Core processor**

50 simultaneous touch points

ULTRA HD 4K LED panel

Infrared touch technology | Built-in Android 14 | 2×25W + 20W speakers | 8 microphones | Ambient light sensor | Full-Link USB Type-C | Standard OPS slot | Wide range of I/O ports

HCP9810

Interactive Display 98”

65” 75” 86” **98”**

Bytello AI

HELGI C PRO series displays are ready for integration with Bytello AI functions*



Android 14

Completely redesigned processor: state of the art in its class. Octa-core Cortex-A72 x4 + Cortex-A53 x4 | 8GB RAM | 64GB ROM. Built-in Android 14 operating system.

Zero Gap

Zero Gap Bonding technology for sharper images, better contrast and reduced reflections. Automatic brightness adjustment via ambient light sensor.

50 Touch

Infrared touch screen: interaction guaranteed even with gloves and any solid object. Maximum durability thanks to 4mm thick tempered glass with Mohs 7 hardness.

I/O 4K Connections

Ultra HD 4K video resolution with a wide range of I/O ports to ensure maximum connectivity (for the full list, see technical specifications on the last page).

25Wx2 20W x2

Built-in 2×25W + 20W **front stereo speakers**, for a total output of 45W. 8 built-in microphones. No need to connect external devices.

Software

Extensive suite of software with perpetual license: Note | Note Plus | Capture | Bytello Share | Bytello Class. Bytello AI license available separately.

* The Bytello AI license is available separately. Contact us for more information.



WALL BRACKET

» INCLUDED

MAGNETIC
Pen holder

Wi-Fi MODULE

» INCLUDED

BLUETOOTH MODULE

» INCLUDED

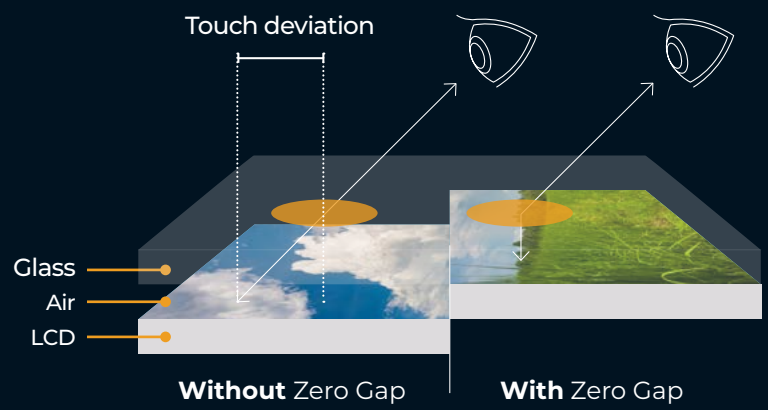
What are the benefits of **Zero Gap Bonding**?

Zero Gap Bonding technology represents a key evolution for next-generation interactive displays. By eliminating the air gap between the protective glass and the LCD panel, this solution delivers a sharper and more natural viewing experience, with brighter colors and superior contrast even in well-lit environments. The absence of internal reflections significantly improves content readability and reduces eye strain. Moreover, the direct contact between glass and panel makes touch input more accurate and responsive, providing the feeling of writing directly on the surface. Zero Gap Bonding therefore means higher image quality, optimal usability, and greater device durability—ideal for both educational and professional applications.

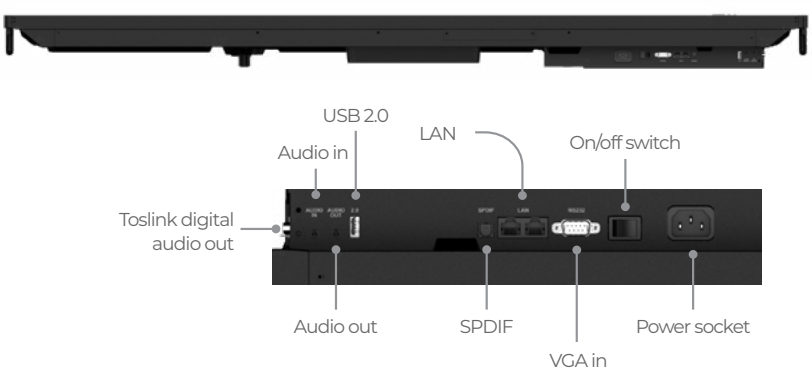
High readability
Excellent visibility even under direct light, for distraction-free work.

Optimized contrast
Richer colors, reduced reflections, and consistently vibrant images.

Ultra-precise touch
Instant and natural response to touch, for smooth and accurate interaction.



Bottom panel



Pens with iron core

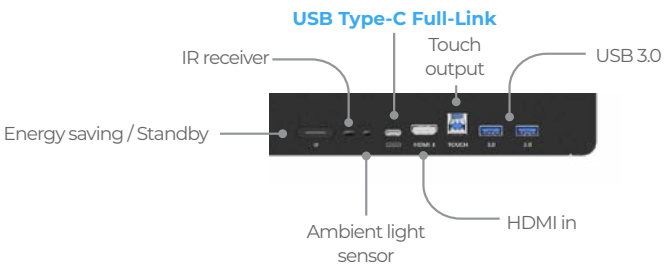
Magnetic attachment to the monitor



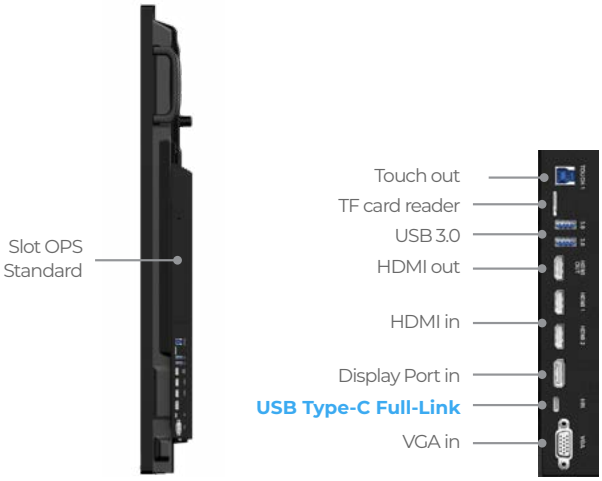
Two writing styles configurable with a single pen

Front panel





Side panel



4K

65W

Network

Touch

USB Type-C Full-Link

Recharges **43%** in just **30 minutes**

USB Type-C Full-Link technology uses a USB 3.2 Gen 2x2 connection with transfer speeds of up to 20 Gbps, simultaneously using two 10 Gbps lanes.

AN INTERFACE FOR EVERY NEED

With a single cable it is possible to transfer 65W charging power, Audio and Video signals up to 4K, touch output from the display to the computer, and network connection between the display and compatible devices.

ALL THE CONNECTIVITY YOU NEED IN A SINGLE CABLE

LAN In/out

Autoswitching

Two RJ45 ports

The Autoswitching system allows you to connect the Interactive Display, the OPS PC (not included), and any compatible external device intuitively through the integrated bidirectional ports, without the need for external switches.

1000Mbps for **maximum speed**
Internet connection

Highlights



A new processor
for outstanding performance

The **HELGI C PRO series** sets a new standard in terms of the **built-in processor**. Some technical data:

Processor: Octa-core (4x Cortex-A72 @ 2.2GHz + 4x Cortex-A53 @ 1.8GHz) with big. LITTLE architecture for balanced performance and optimized power consumption.

GPU: ARM Mali-G52 MC3 with 145 GFLOPS, supporting OpenGL ES 3.2, Vulkan 1.2 and OpenCL 2.1 for smooth rendering and immersive graphics.

NPU: 6 TOPS Neural Processing Unit for advanced AI applications.

Memory: Support for up to 16GB LPDDR4/4x/5, eMMC 5.1, UFS 2.0.

Video: Decoding up to 8K@30fps and encoding 4K@60fps (H.264/H.265/VP9/AV1).

Display: Support for up to 3 independent screens, maximum resolution 4K@120Hz.

Connectivity: HDMI 2.1, USB 3.0, Wi-Fi 6, Bluetooth 5.0, Gigabit Ethernet.

Visual experience

Thanks to the Mali-G52 MC3 GPU and support for 4K@120Hz, the monitor delivers superior visual quality, ideal for: digital classrooms, interactive meeting rooms, information kiosks, and digital signage.

Support for AI features

The 6 TOPS NPU supports the advanced Artificial Intelligence features offered by Bytello AI (license available separately).

Connectivity

With multiple interfaces (HDMI In/Out, USB, Type-C Full Link, DP and VGA), the monitor can be easily integrated into complex ecosystems, supporting touch accessories, webcams and sensors, Wi-Fi/4G/5G modules for connected environments.

Customizable interface
Pre-installed background and font libraries suitable for any setting



Education

With the option to choose school-themed wallpapers and a dedicated font library, the monitor adapts to the classroom language, turning every lesson into a more engaging student-centered experience.



Corporate

Elegant wallpapers and a professional font allow you to create a visual interface consistent with corporate identity, reinforcing image and style even during presentations.



Business

Emotional wallpapers and an informal yet elegant font make it possible to create tailor-made atmospheres: from hotel receptions to in-store communication, every environment finds its own visual identity.

App

Note

The Note app, pre-installed in the built-in Android operating system, is designed as a powerful and intuitive tool for creating and presenting interactive lessons rich in multimedia content.
Fully integrated with the monitor’s multitouch function, Note allows you to write and draw with your fingers or any solid object, create diagrams and charts, insert videos and images, and save lessons in image or PDF format: the ideal tool to innovate traditional classroom teaching and engage students.

- Wide range of freehand writing tools
- Configurable workspace to adapt to everyone’s needs
- Screen recording function to replay and share lessons
- Advanced drawing tools, extensive library of interactive and multimedia content

Create customized assessments



Turn your smartphone into a learning tool!

Thanks to the AirClass 2.0 app, students can connect to Note and take part, using their smartphone, in quizzes, tests, and polls, with real-time feedback.

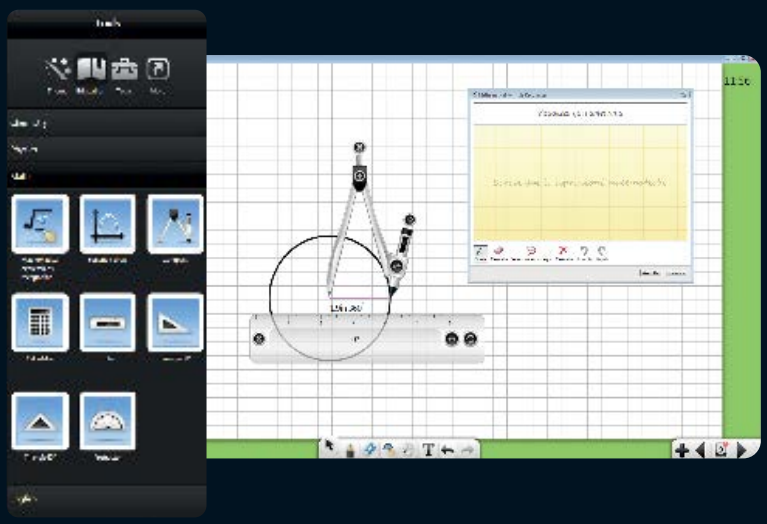
AirClass 2.0

PERPETUAL LICENSE
INCLUDED

Software

Note Plus

Note Plus software is the advanced version of the Note app included in the monitor’s Android operating system, designed to be used with a Windows PC, either the integrated OPS or an external computer. Note Plus includes a wide library of advanced tools for creating and presenting lessons rich in interactive content: handwritten mathematical formula recognition, tools for technical drawing and the simulation of physics and chemistry experiments, text-to-speech, the ability to insert hyperlinks, and much more.



- Subject-specific teaching tools
- PowerPoint presentation import
- Text-to-speech
- Hyperlinks
- Advanced drawing tools

Compatible with PowerPoint, Note Plus allows you to create an unlimited number of slides, enabling lessons to be built in an organic and structured way. The included perpetual license also gives teachers and students the opportunity to download and install the software on their personal PCs, allowing them to prepare lessons and review them at home.

PERPETUAL LICENSE
INCLUDED

DOWNLOAD HERE

Software

Capture

Capture software for Windows is the ideal solution for blended learning and flipped classrooms. Its advanced video and audio capture and editing tools—including the valuable function of recording audio directly from the PC—allow teachers to prepare highly engaging multimedia lessons, with the possibility of sharing them with students.



Video recording
Capture the entire screen, a selected area, or external sources such as webcams and document cameras. Capture provides everything you need to create professional content easily and intuitively.

Audio recording
Capture allows recording from a microphone, external devices, or directly from the system, with the option to import external files.

Video editing
Cut, edit, add text, images, audio, and watermarks. Work on unlimited tracks and export in MP4: everything you need for complete editing in a single platform.

PERPETUAL LICENSE
INCLUDED

DOWNLOAD HERE



App

Bytello Share

The Bytello Share app, pre-installed in the built-in Android operating system, enables wireless content sharing from any device regardless of the operating system, allowing real-time audio and video sharing from connected devices. The split screen function also supports the simultaneous connection of up to nine devices.

PERPETUAL LICENSE
INCLUDED

App

Bytello Class

Bytello Class is a browser-based application that allows teachers to create interactive and engaging lessons with writing, annotation, and collaboration tools. Accessible from any device and integrated with cloud services such as Google Drive and OneDrive, it enables easy management of documents, quizzes, and activities in real time.

PERPETUAL LICENSE
INCLUDED



Bytello AI

Integrate **Artificial Intelligence** into HELGI interactive displays

The exclusive Bytello AI feature—available by subscription and integrated into the monitor’s Android operating system—offers a set of Artificial Intelligence tools designed to take the user experience to the next level.

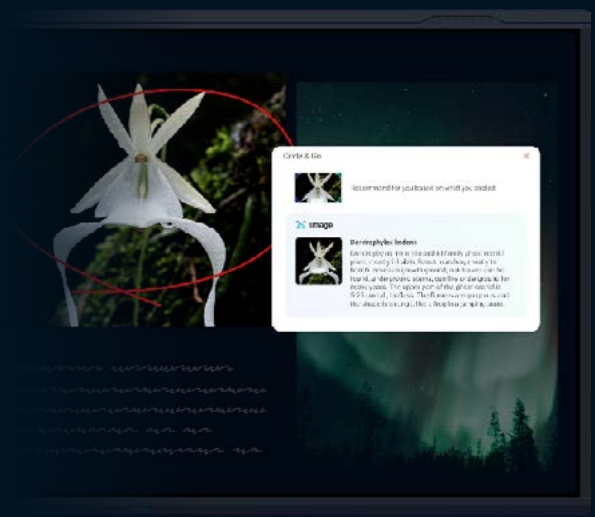
SUBSCRIPTION PLAN

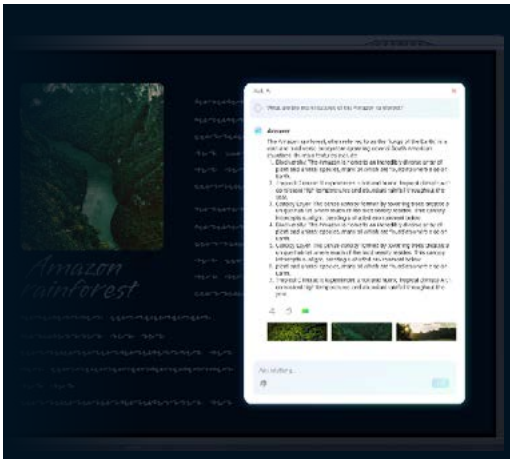


Circle & GO

Perform smart searches on any content displayed on the monitor. Simply circle an element on the screen to activate AI search and get all the information you need.

- **AI Analysis** Automatic description of circled content
- **Image** Visual suggestions and related images
- **Exercise** Instant resolution of mathematical calculations
- **Video** Videos relevant to the selected content



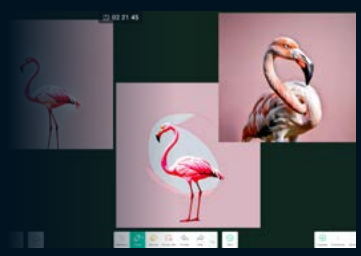


Ask AI

Let the AI answer any question written or dictated using the smart pen

Image generation

Create images from a text prompt in illustrated book, realistic, and 3D styles



Concept maps

Write a word and let the AI automatically generate an expandable concept map based on the starting term. An essential tool for any educational context.

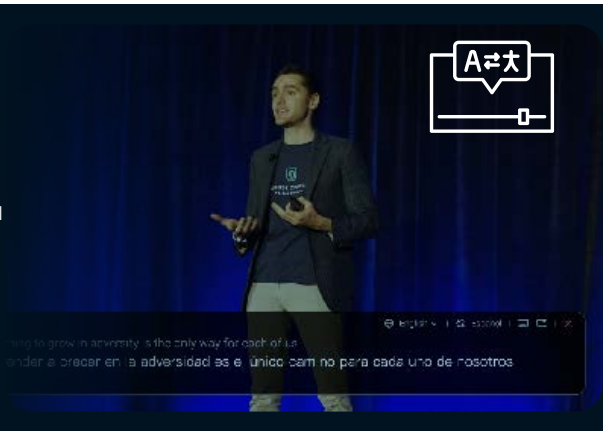


Create detailed concept maps automatically in just a few seconds

An indispensable tool for brainstorming and summarizing

Real-time **Subtitles**

With AI support, Bytello can subtitle any video - whether local or online - in real time.



Automatic **Translation**

Translate texts and video content in real time, from any language.

AI painter

With a single touch, transform any freehand drawing into a masterpiece in vector format.



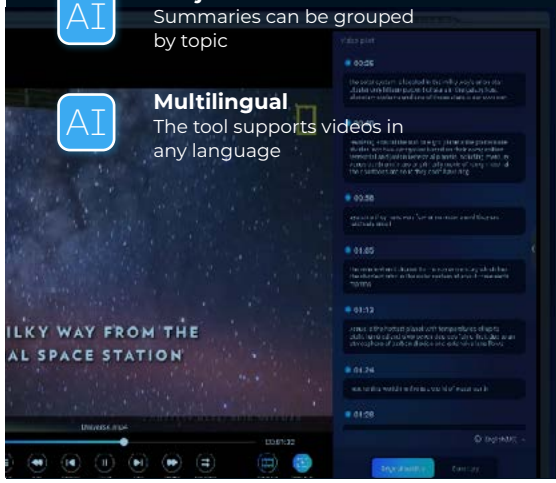
Video summary

Bytello AI automatically and in real time creates a summary of any video content.

Timestamping
Summaries are linked to an exact timeline

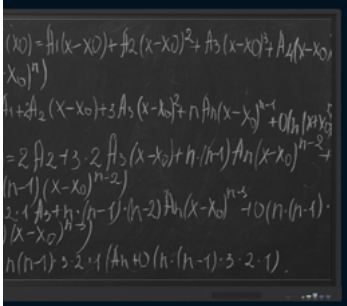
Subjects
Summaries can be grouped by topic

Multilingual
The tool supports videos in any language



Smart calculator

This feature allows you to write calculations freehand, convert them into editable text, and get the result.



AI Analysis
Instant solution of mathematical calculations

Handwriting recognition
Handwritten formulas are converted into editable text

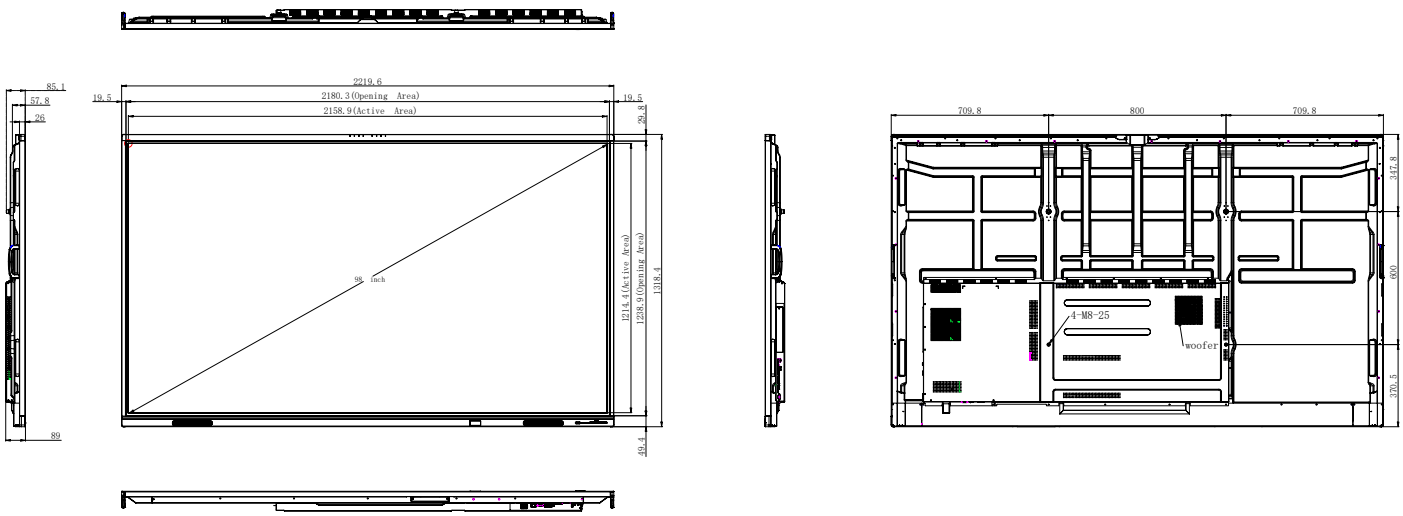
Technical Specifications

HELGI code HCP9810

DISPLAY	Illumination	Direct type LED
	Quality	A grade
	Display area	15,8 x 121,4 cm
	Diagonal size	98"
	Aspect ratio	16:9
	Resolution	UltraHD 4K
	Color depth	1.07 billions (10 bit)
	Brightness	500 cd/m^2
	Contrast	4.000:1
	Viewing angle	178° V / 178° H
	Refresh rate	60Hz
	Response time	2,5 ms
	Sensors	Ambient light
TOUCH	Touch tehcnology	Infrared matrix
	Driver	HID
	Multi-touch points	Up to 50 (Windows)
	Input tools	Fingers (even with gloves) or any object
	Tool size	2 mm
	Response time	≤ 5 ms
	Accuracy	± 1 mm
	Input resolution	32767 x 32767
TECHNICAL SPECS	Surface	4mm anti-glare tempered glass, Mohs level 7*
	External size	221,9 x 131,8 x 8,9 cm (L x H x P)
	Net weight	84.35 kg
	VESA	800 x 600 mm

INTERFACE	Input	3x HDMI IN (1x front), 2x USB type-C Full-Link (front), 1x VGA IN, 1x DP IN, 1x PC AUDIO IN, 1x USB 2.0 OTG, 4x USB 3.0 (2x front), 2x TOUCH OUT (1x front), 1x RS232, 1x LAN IN (RJ45), 1x slot TF Card
	Output	1x HDMI OUT, 1x Audio OUT, 1x COAX Out (SPDIF), 1x LAN OUT (RJ45)
	Connectivity	Ethernet LAN, Wi-Fi, Bluetooth, HotSpot
	Speaker power	2×25W (mid-high) + 20W (bass) | 90dBSPL
	OPS slot	Compatible with 80 pin standard OPS
ANDROID OS	OS version	Android 14
	Compatible applications	GSuite, Google Apps, Microsoft Office, Microsoft Teams, Cisco Webex, Zoom, Google Chrome, Mozilla, Firefox, Skype
	App installation	All apps compatible with the system’s Android version (function can be disabled)
	CPU	Octa-core Cortex-A72 x 4 + Cortex-A53 x 4
	GPU	Mali G52 MC3
	RAM	8 GB LPDDR5 @ 6400 MT/s, dual-channel (2x16-bit) (standard)
	SSD	64 GB eMMC 5.1 (read speeds of up to 300 MB/s, write speeds of up to 220 MB/s)
POWER SUPPLY	Maximum consumption	545 W
	Power requirements	100-240V~50/60Hz 5.5A
	Lifespan	≥ 30.000 hours
	Operation	16/7
	EMC Class	Class A
ACCESSORIES	Package contents	1x EU / UK Power cable (3m), 1x HDMI (3m), 1x USB (5m), User Manual, 2x Passive pens, 1x Remote control (batteries included), 1x SI07 (Dual Mode Wi-Fi Module), 1x Wall mount bracket
	Included software	Bytello Class Pro (Android), Bytello Note (Android), AirClass (Android), NotePLUS (Windows), Capture (Windows)
Certifications		CE, RoHS
Supported languages		Catalan, Czech, Danish, German, Estonian, English, Spanish, French, Croatian, Italian, Hungarian, Dutch, Norwegian, Polish, Portuguese, Romanian, Turkish, Swedish, Greek, Russian, Arabic, Chinese, Japanese, Lithuanian

Environmental operating conditions				
Operating temperature	Operating humidity	Storage temperature	Storage humidity	Altitude
0°C~40°C	10%~90%RH	-20°C~ 60°C	10%~90%RH	Below 5000 meters



* Exclusive material treatment – Prevents proliferation of common germs and bacteria

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