



Professional Monitors for Video Post Production



Beyond Brilliance PROMINENCE CG1



High Dynamic Range

Why Choose ColorEdge?

Individual Adjustment at the Factory

Reliable Image Quality

Built-In Calibration Sensor

Convenient

Color Precision

Complete Color Management Solution

> Supporting Your Creativity





Q-TEC. INC. (Now: gooop, Inc.)



Terminator: Dark Fate VFX Brought to Life with ColorEdge

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The best part of the EIZO hardware is that it self-calibrates and as a supervisor, that's critical because you want to know what you are looking at is perfect, is color accurate, and is sharp and consistent. 99



CoMix Wave Films

ColorEdge Used for Production of Makoto Shinkai's Animated Film "Suzume"

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In digital work, it is the monitor that we see for final confirmation, so I feel that the peace of mind of knowing that we are seeing the same colors is truly priceless.



SCIENTIFIC & TECHNICAL AWARDS

Learn more >>



The Academy's Scientific and Technical Awards honor individuals and companies whose innovations have contributed in significant and lasting ways to motion pictures. In February 2021, EIZO was honored to receive the esteemed award for its ColorEdge CG Series hardware calibration monitors with built-in calibration sensors.

">EIZO

Case Studies More case studies >>>



World's First 4K HDR Hand-Drawn Animation Project

66 At the production site, color standards are what's important rather than beautiful picture quality. From that standpoint, I trust EIZO monitors more than anything else. 99

ColorEdge Used for Production of the Hit Anime "Violet Evergarden"

66 We selected the ColorEdge PROMINENCE because we felt that an LCD with an anti-glare panel would be ideal for reproducing dark gradations, so we could check the color reproduction in the shadows and crisp blacks to take advantage of Dolby Cinema's strengths. 99





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VEIZO

Post Production Workflow

The ColorEdge series offers a wide range of monitors to support the video post production workflow from capture to color grading. Creators and editors throughout the pipeline can be confident that they are seeing a consistent image at every step of a project in HDR or SDR.



HDR Reference Monitor

ColorEdge®



Video Post Production Monitors





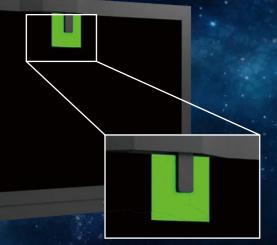
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CG319X HDR 4K

CG27002

	Size	30.5"	31.1"	27"
	Native Resolution	4096 x 2160	4096 x 2160	3840 x 2
;;;	Brightness (typical)	1000 cd/m²	350 cd/m²	500 cd/
		1,000,000:1	1500:1	1450:
		DCI-P3: 100%	DCI-P3: 98%	DCI-P3: 9
	Built-In Calibration Sensor	YES	YES	YES
HDR	HDR Gamma	HLG, PQ curve	HLG, PQ curve	HLG, PQ o
Ð	Input Terminals	BNC (12G/6G/3G/HD-SDI) x 2, BNC (3G/HD-SDI) x 2, SFP28 (25GbE, ST 2110) x 2, DisplayPort, HDMI	DisplayPort x 2, HDMI x 2	USB Type-C, D HDM

	CG2700S INC.	
7"	27"	
x 2160	2560 x 1440	
:d/m²	400 cd/m²	
0:1	1600:1	
3: 98%	DCI-P3: 98%	
ES	YES	
Q curve	HLG, PQ curve	
, DisplayPort MI	USB Type-C, DisplayPort HDMI	
		5



Hardware Calibration

EIZO's ColorEdge PROMINENCE are the world's first true HDR reference monitors to incorporate a built-in calibration sensor to maintain color accuracy.

30.5" DCI 4K (4096 x 2160)

ColorEdge® **PROMINENCE CG1**

True HDR Reference Monitor with Built-In Calibration and Advanced Interfaces

EIZO's Unique Algorithm for Advanced Capabilities

The ColorEdge PROMINENCE CG1 continues the legacy of EIZO's HDR reference monitors with high performance and exceptional display characteristics, while enhancing technical functionality using EIZO's unique algorithm to implement advanced capabilities for efficient video creation workflows.

SMPTE ST 2110 Standard Support

The CG1 is equipped with two 25GbE SFP28 connectors, supporting SMPTE ST 2110 for handling uncompressed video sent over IP networks. This allows the monitor to be integrated into production environments using IP to facilitate efficient post production video workflows.

CG1 does not support ST 2110 audio or compressed video transmission

FRL Support

The CG1 supports Fixed Rate Link (FRL), the latest signal technology supported in the latest HDMI® specification. FRL is required to receive 12-bit signals, handle higher uncompressed high-resolution data, such as 4K, and take advantage of high-speed bandwidths for compressed video transport over an HDMI connection. The monitor comes with an ultra high speed HDMI cable.

CG1 HDR Reference Monitor



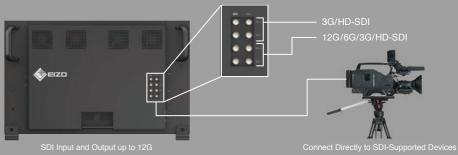
Highlights and shadows are rendered in detail

True HDR

The ColorEdge PROMINENCE CG1 is a true HDR (high dynamic range) reference monitor, achieving 1000 cd/m² high brightness (typical) and 1,000,000 contrast ratio (typical) without local dimming for accurately displaying light and dark content across the entire screen.

SDI Connectivity

The monitor is equipped with two Single-Link 12G/6G/3G/HD-SDI and Dual- or Quad-Link 3G/HD-SDI connections as well as an HDMI and DisplayPort[™] input for flexible connection to a range of video



Sync Signal

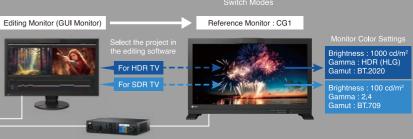
The monitor's Sync Signal function automatically switches the monitor's color settings - brightness, gamma (EOTF), and color gamut according to the video payload ID of the SDI signal and the metadata of the input signal.





High Dynamic Range

Highlight clipping; crushed blacks



High Dynamic Range

HDR Video Workflow

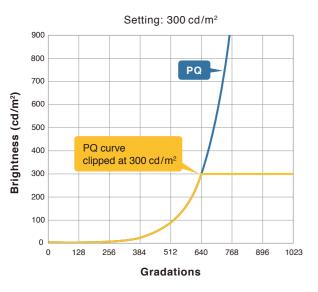
HDR Gamma

ColorEdge PROMINENCE and select CG series monitors support HLG (hybrid log-gamma) and the PQ (perceptual quantization) curve for displaying and editing HDR content. An optional PQ gamma curve (EOTF) function allows the input signal to be clipped or compressed to fit within the luminance value of the monitor. This allows users to simulate how the signal will appear in other display environments.

Applicable models: CG1, CG319X, CG2700X, CG2700S

PQ Clipping

The brightness curve follows the PQ gamma curve up to a specified brightness level and becomes saturated for all gradations above that point. This allows the accurate display of gradations corresponding to the set brightness level, making it useful for checking coloration in low-toned areas.



Low-gradation areas are accurately displayed



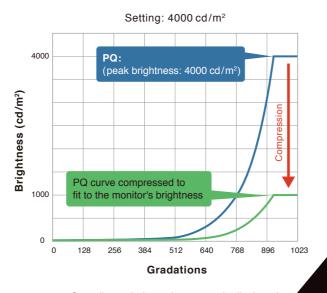
Luminance Warning

The luminance warning function shows the areas of the image that cannot be displayed correctly at the current brightness settings. These areas are marked in yellow or magenta and can be viewed for brightness levels of 300, 500, 1000, and 4000 cd/m².

Applicable models: CG1, CG319X, CG2700X, CG2700S

PQ Emulation

The PQ gamma curve with a peak brightness higher than what the monitor can display is compressed to fit within the luminance value of the monitor. This allows any gradation from 0 - 1023 to be displayed at the specified brightness level to check the overall balance of gradation in the content.



Overall tone balance is accurately displayed





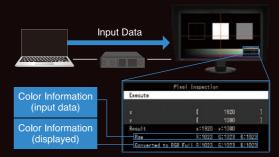




BT.709 BT.709 Clipping Gamut Warning ON BT.2020 Image 1-User 2-BT. 2020 3-BT.709 4-DCI-P3 5-PQ_DCI-P3 6-HLG_BT. 2100 7-Adobe@RGB 8-sRGB 9-CAL 10-SYNC_SIGNAL

Pixel Inspection

Pixel Inspection shows the color information of a pixel from the source input data and the data as it is displayed on the monitor. System managers can use this information to verify that the creator's technical settings match the current project's predefined color parameters.



Verify the color information of the selected pixel

HDR Video Mastering

BT.709 Out of Gamut Warning

The Gamut Warning preset indicates areas of a BT.2020 image that cannot be reproduced using BT.709 by converting them to shades of gray. An additional mode called BT.709 Clipping allows the editor to view BT.2020 images within the BT.709 color space, simulating how it would look to their audience in an HDTV environment.

Broadcast and Cinema Presets

Preset modes for DCI-P3, BT.709, and BT.2020 ensure you can work in the appropriate color spaces and gamma values. In addition, preset modes for PQ (DCI and BT.2100) and HLG (BT.2100) are available for viewing HDR content.

Markers for Information **Overlay**

Various markers can be placed to ensure that content, such as text or graphics, is properly positioned on the screen. Users can specify the position and size of the markers to suit their project.





4K Video Editing

Core ColorEdge Features

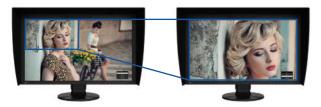
Highly Detailed 4K Resolution

ColorEdge PROMINENCE CG1 (30.5") and CG319X (31.1") display the DCI-4K standard (4096 x 2160), which is more than four times that of Full HD (1920 x 1080). The CG2700X (26.9") displays at 4K UHD (3840 x 2160).

4K Zoom

Enlarge areas of the screen to check fine details and camera focus using the 4K zoom function. It is quickly and easily accessible using the monitor's front buttons.

CG1, CG319X, CG2700X only

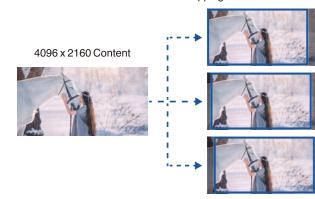


DCI-4K Cropping

The DCI 4K Cropping function allows you to display a DCI 4K (4096 x 2160) signal and crop content outside the bounds of the panel's native 4K UHD (3840 x 2160) resolution. Users can select from three options that determines which part of the image is cropped.

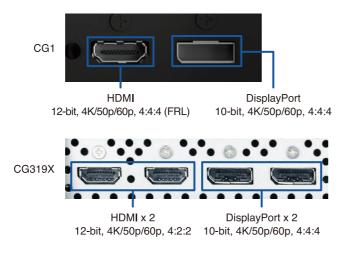
CG2700X only

Cropping to 3840 x 2160 Resolution



DCI 4K / 60p

The ColorEdge PROMINENCE CG1 and CG319X are equipped with HDMI and DisplayPort inputs supporting DCI 4K at 60p.



Nearest Neighbor Interpolation

Editors can easily choose the interpolation method best suited to the project via the monitor's OSD menu. When upscaling, the Nearest Neighbor interpolation setting copies and aligns pixels to the closest adjacent position, maintaining color fidelity. When Nearest Neighbor is turned off, the monitor uses an interpolation method that balances gradation of the surrounding pixels for smooth color tone.

CG1 and CG2700X only

Faithful Color Reproduction

ColorEdge monitors feature a wide color gamut that faithfully reproduces 98% (100% for CG1) of the DCI-P3 standard used in digital cinema and supports the BT.2020 standard used in broadcasting.

3D LUT for Accurate Color

The 3D LUT adjusts colors individually on an RGB cubic table which improves the monitor's additive color mixture. This is key to displaying neutral gray and other tones.

10-Bit Simultaneous Display

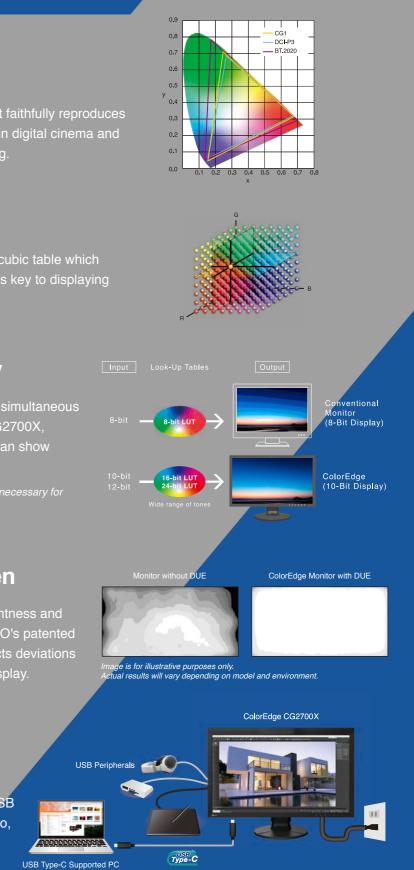
ColorEdge monitors for post production offer 10-bit simultaneous display* from a 24-bit (CG1, CG319X) or 16-bit (CG2700X, CG2700S) look-up-table (LUT) which means they can show more than one billion colors simultaneously.

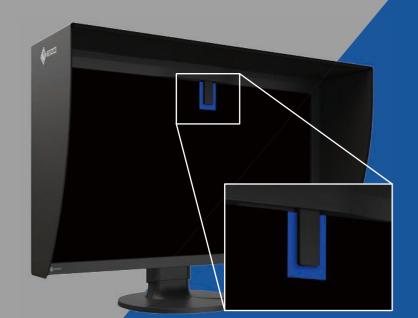
Uniformity Across the Screen

LCD monitors commonly exhibit fluctuations in brightness and chromaticity across the screen. To counter this, EIZO's patented digital uniformity equalizer (DUE) technology corrects deviations in every tone across the screen to ensure stable display.

Single Cable Connection with USB Type-C

The ColorEdge CG2700X and CG2700S feature USB Type-C[®] connectivity that allows you to display video, transmit USB signals, and supply power to a connected device such as a tablet or notebook PC.





Built-In Sensor to Automate Your Workflow

ColorEdge were the first monitors in the world to have a built-in calibration sensor for color critical applications. The built-in sensor can be set to calibrate the monitor automatically at designated times. This eliminates the need for a third-party calibration device and ensures your screen stays color-accurate.

Complete Color Management Solution

Color Management Software ColorNavigator 7

A monitor needs to be calibrated at regular intervals to maintain color accuracy. EIZO's proprietary ColorNavigator 7 software provides an intuitive and highly precise solution to color management. Calibration information is saved to the monitor instead of the operating system so users do not have to recalibrate even when using a different PC.

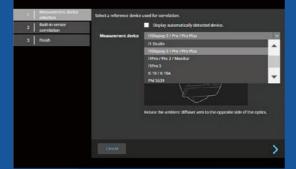
Correlation with Spectrophotometers

Many post production studios define a specific spectrophotometer as the master sensor for their internal color management framework. ColorEdge built-in calibration sensors can be correlated to any high-end spectrophotometer using ColorNavigator 7 to ensure each project meets defined standards.







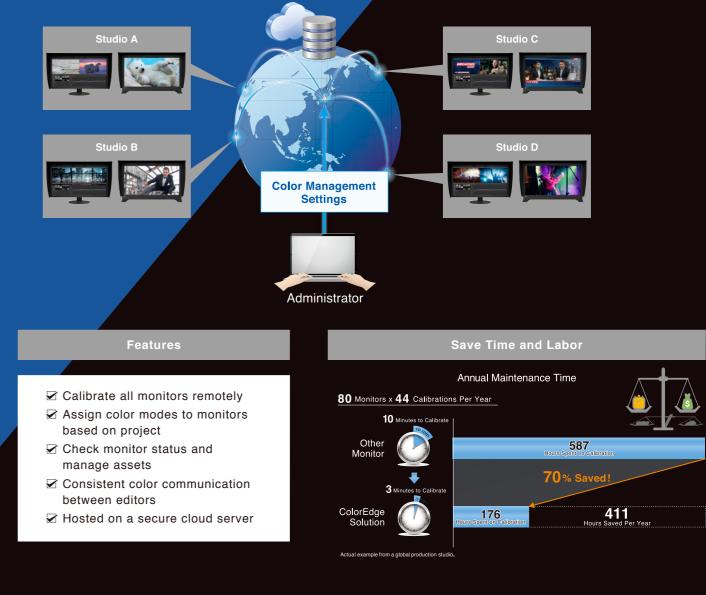


Centralized Quality Control over the Network

Network Color Management Software ColorNavigator Network

ColorNavigator Network provides centralized quality control of ColorEdge monitors for studios, printing houses, and other enterprises with multiple creators and editors who work on shared projects. With NetAgent or ColorNavigator 7 installed on the workstation, administrators can remotely manage multiple ColorEdge monitors on the network.

> **ColorNavigator Network** Secure Cloud Server









For Developers

API for Application Integration

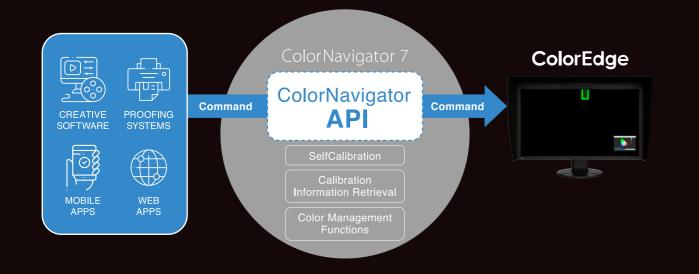
EIZO's ColorNavigator API is available for software developers and system managers to integrate ColorNavigator 7 or ColorNavigator Network software functions into third-party applications.

ColorNavigator API

Allows other applications to perform certain monitor management functions without requiring the user to operate ColorNavigator 7 in a separate window. Functions include changing the color mode, creating a new calibration target, executing or canceling SelfCalibration, and more.

ColorNavigator Network API

Allows administrators to integrate ColorNavigator Network functions into third-party applications for managing multiple monitors. Functions include monitor status acquisition, control commands for monitor settings, asset management, and more.



For example, with the ColorNavigator API, studios could write a script to perform functions directly from within their chosen editing software. This could allow editors to easily change the monitor's color mode to match their current project settings in fewer clicks and without leaving the editing application interface.



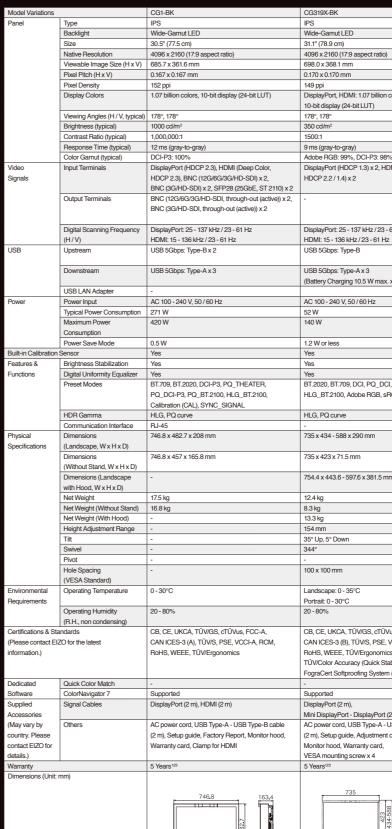


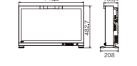
Creative Software Window

ColorEdge



Sends command to change mo color mode in ColorNavigator





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1 Usage time is limited to 30,000 hours (10,000 hours for the CG1 LCD panel) 2 Five years subject to the usage time being limited to 10,000 hours.

CG319X, CG2700X, CG2700S: When used at a color temperature of 5000 - 6500K, a brightness level of at least 120 cd/m² is warranted. CG1: When used at a color temperature of 6500K, a brightness level of at least 800 cd/m² is warranted. 3 Free from bright sub-pixels for 6 months from the date of purchase. With current LCD technology, a panel may contain a limited number of missing or flickering pixels.



CG1 HDR 4K



DR 4K



CG2700X HDR 4K



CG2700S 📠

		CC2/003 1411
	CG2700X-BK	CG2700S-BK
	IPS	IPS
	Wide-Gamut LED	Wide-Gamut LED
	26.9" (68.4 cm)	27.0" (68.5 cm)
	3840 x 2160 (16:9 aspect ratio)	2560 x 1440 (16:9 aspect ratio)
	596.2 x 335.3 mm	596.7 x 335.7 mm
	0.155 x 0.155 mm	0.233 x 0.233 mm
	164 ppi	109 ppi
colors,	1.07 billion colors, 10-bit display	1.07 billion colors, 10-bit display
	(from a palette of 278 trillion, 16-bit LUT)	(from a palette of 278 trillion, 16-bit LUT)
	178°, 178°	178°, 178°
	500 cd/m ²	400 cd/m ²
	1450:1	1600:1
%	13 ms (gray-to-gray) Adobe RGB: 99%, DCI-P3: 98%	19 ms (gray-to-gray) Adobe RGB: 99%, DCI-P3: 98%
⁷⁶ DMI (Deep Color,	USB Type-C (DisplayPort Alt Mode, HDCP 2.3),	USB Type-C (DisplayPort Alt Mode, HDCP 2.3),
NNI (Deep color,	DisplayPort (HDCP 2.3),	DisplayPort (HDCP 2.3), HDMI (Deep Color,
	HDMI (Deep Color, HDCP 2.3)	HDCP 2.3)
	-	-
61 Hz	USB Type-C, DisplayPort: 25 - 137 kHz / 23 - 61 Hz	USB Type-C, DisplayPort: 26 - 89 kHz / 23 - 61Hz
<u>.</u>	HDMI: 15 - 135 kHz / 23 - 61 Hz	HDMI: 15 - 89 kHz / 23 - 61 Hz
	USB 5Gbps: Type-C (DisplayPort Alt Mode, Power	USB 5Gbps: Type-C (DisplayPort Alt Mode, Power
	Delivery Source 94 W max.), USB 5Gbps: Type-B	Delivery Source 92 W max.), USB 5Gbps: Type-B
	USB 5Gbps: Type-A x 2	USB 5Gbps: Type-A x 2
x 1)	USB 2.0: Type-A x 2	USB 2.0: Type-A x 2
	RJ-45 (1000BASE-T)	RJ-45 (1000BASE-T)
	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz
	34 W	17 W
	225 W	187 W
	0.5 W or less	0.5 W or less
	Yes	Yes
	Yes	Yes
I, PQ_BT.2100,	Yes User, BT.2020, BT.709, DCI-P3, PQ_DCI-P3,	Yes User, BT.2020, BT.709, DCI-P3, PQ_DCI-P3,
RGB, Calibration (CAL)	HLG_BT.2100, Adobe RGB, sRGB,	HLG_BT.2100, Adobe RGB, sRGB,
IOD, Oalibration (OAL)	Calibration (CAL), SYNC_SIGNAL	Calibration (CAL), SYNC_SIGNAL
	HLG, PQ curve	HLG, PQ curve
	-	-
	638 x 415.9 - 570.9 x 245 mm	638 x 415.9 - 570.9 x 245 mm
	638 x 390 x 86.2 mm	638 x 390 x 86.2 mm
m	648 x 420.9 - 575.9 x 346 mm	648 x 420.9 - 575.9 x 346 mm
	9.8 kg	9.4 kg
	6.8 kg	6.4 kg
	10.3 kg	9.8 kg
	155 mm	155 mm
	35° Up, 5° Down	35° Up, 5° Down
	344° 90°	344° 90°
	100 x 100 mm	100 x 100 mm
	0-35°C	0-35°C
	0-33 0	0-33-0
	20 - 80%	20 - 80%
/us, FCC-B,	CB, CE, UKCA, TÜV/GS, cTÜVus, FCC-B,	CB, CE, UKCA, TÜV/GS, cTÜVus, FCC-B,
VCCI-B, RCM, EAC,	CAN ICES-3 (B), TÜV/S, PSE, VCCI-B, RCM, EAC,	CAN ICES-3 (B), TÜV/S, PSE, VCCI-B, RCM, EAC,
xs,	RoHS, WEEE, TÜV/Ergonomics	RoHS, WEEE, TÜV/Ergonomics, TÜV/Color
ability),		Accuracy (Quick Stability),
i (class A)		FograCert Softproofing System (class A)
	-	Supported
	Supported	Supported
	USB Type-C (2 m), HDMI (2 m)	USB Type-C (2 m), HDMI (2 m)
2 m), HDMI (2 m)		
JSB Type-B cable	AC power cord, USB Type-A - USB Type-B cable	AC power cord, USB Type-A - USB Type-B cable
		(2 m), Setup guide, Factory Report,
certificate,	(2 m), Setup guide, Factory Report,	Advertised address of the second statement of the seco
certificate,	(2 m), Setup guide, Factory Report, Monitor hood, Warranty card	Monitor hood, Warranty card
certificate,	Monitor hood, Warranty card	
certificate,		Monitor hood, Warranty card 5 Years ¹²³
certificate,	Monitor hood, Warranty card	
77.7	Monitor hood, Warranty card 5 Years ¹⁰⁰ 638 86.2	5 Years ¹²³
77.7	Monitor hood, Warranty card 5 Years ⁶²³	5 Years ¹²³
77.7	Monitor hood, Warranty card 5 Years ¹⁰⁰ 638 86.2	5 Years ¹²³
77.7	Monitor hood, Warranty card 5 Years ¹⁰⁰ 638 86.2	5 Years ¹²³
77.7	Monitor hood, Warranty card 5 Years ¹⁰⁰ 638 86.2	5 Years ¹²³
	5 Years ¹⁰⁰	5 Years ¹²³
77.7	Monitor hood, Warranty card 5 Years ¹⁰⁰ 638 86.2	5 Years ¹²³

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