

Test EIZO EV2780: Office monitor scores top marks

24-inch monitor with Full HD resolution convinces in the test thanks to appealing picture quality and offers a USB-C port that enables a power supply with up to 70 watts

Introduction

Recently, we have tested a number of devices in the 24- to 27-inch diagonal range that try to meet the increased demand for monitors for the home office and home schooling at the lowest possible price. EIZO, on the other hand, defines itself as a premium provider. Although the EV series is generally specialised in the office and therefore perfectly suited for the aforementioned purposes, it also has a hefty price tag. The EIZO EV2495, which we tested at the end of last year, is the top model in the 24-inch range and was available online for 549 euros at the time of this test. The device is available as EV2495-BK in black and EV2495-WT in white.

In contrast, the EIZO EV2480, newly introduced at the beginning of this year, is considerably cheaper at 315 euros. At first glance, the differences do not seem too great and, apart from the display format, mainly concern the interfaces. The EIZO EV2480 also has an IPS panel with Full HD resolution - but "only" in 16:9 format instead of 16:10. Therefore, there is a little less space vertically.

However, you don't have to do without state-of-the-art connectivity via USB-C port. It also serves as a docking station and can supply connected devices with up to 70 watts. The frameless design and the comprehensive ergonomic functions do not have to make any compromises either.

Another convenient feature is the Auto-EcoView function. A sensor permanently measures the ambient light and optimises the screen to ideal brightness values. This not only protects the environment and your wallet, but also your eyes. The EIZO EV2480 also comes with the manufacturer's general five-year guarantee and on-site replacement service.

For detailed information on the features and specifications, please refer to the [EIZO EV2480-BK data sheet](#).

Scope of delivery

The higher price of an EIZO model is due to the quality, the comfort features, the generous warranty and also the issue of sustainability. This refers not only to the energy-saving function, but also to socially responsible production, in which longevity and environmental friendliness are among the central components, according to EIZO.

This is already noticeable when unpacking. Unnecessary plastic bags have been largely dispensed with. Besides the power cable, the scope of delivery only includes a cable for

the USB-C port. We would have expected cables for HDMI and DisplayPort in this price range.



Scope of delivery

A detailed manual, a driver and a standard colour profile can be easily found directly on the product page of the EIZO EV2480. The additional software "Screen InStyle" is also available there. This allows you to easily manage power consumption, colour, brightness and other settings for a single screen or a multi-monitor configuration.

Optics and mechanics

The EIZO EV2480 is completely pre-assembled in the box and only needs to be hoisted onto the desk. At 7.4 kg, the weight alone makes a high-quality impression. For wall mounting according to the VESA standard (100 × 100 mm), the stand can be easily detached at the touch of a button.



Pre-assembled and ready for immediate use. The support leg can be released at the push of a button

While the display can be removed quite well "standing up" with a little care, the opposite way is not recommended. The illustration below right shows our attempt to do this. With some screens this works quite well, but with the EIZO EV2480 it is not easy to insert the

small hooks correctly and therefore rather risky. However, this is only a side note for users who frequently want to switch between the stand and the swivel arm when positioning the display - for example, in a photo studio.



Stand without display



Not like that, please! For stand mounting, it is better to place the display securely on a surface.

When you enter the office in the morning, you usually only see your monitor from behind. The "friendly smiling" design of the ventilation slot immediately puts you in a good mood - and without a mask. Apart from the slightly lower display height, the EIZO EV2480 looks very similar to the EIZO EV2495.

EIZO has been using the basic design for a long time. With the two representatives of the EV series mentioned above, however, there is again a trend towards a somewhat softer design. The curved lines and gentle curves make the display look even more sophisticated.



Front view in the highest position



Rear view in the highest position



Front view in the lowest position



Rear view in the lowest position

Only in the side view might one criticise the less filigree-looking stand. From the front, however, the EIZO EV2480 impresses with its almost frameless design. Furthermore, the two-stage height adjustment has two major advantages. On the one hand, the adjustment range of a good 19 cm is already record-breaking and also allows the display to be lowered to the turntable. Secondly, unlike the flex stand of the CG series, the steps are used simultaneously in a single flowing movement.



View 45° rotation to the left



View 45° rotation to the right

All other ergonomic features are also exemplary, as you would expect from EIZO, both in terms of scope and mechanics. The tilt is adjustable from -5 to +35 degrees. For rotation, we only show a 45-degree rotation in each of the photos below. In fact, the monitor can be rotated 172 degrees in both directions - a total of 344 degrees.



Lateral view



Lateral view with maximum angle of inclination to the rear

Even the 90-degree swivel to portrait format is precise and possible without much effort. Overall, the workmanship and materials used in the EIZO EV2480 make a very high-quality, discreetly elegant impression. We also did not notice any irregularities in the gaps.



View pivot sideways



Pivot view from the front

The recess above the stand leg suspension not only serves to conceal the ventilation slits, which are discreet anyway, but also as a practical handle when adjusting the height and during transport.



Support leg

At the lower end of the stand is a rail behind which the cables can be bundled. To place the cables, it can be pushed upwards without much effort and can also be removed completely.



Cable management with open cable cover

The EIZO EV2480 does not require a separate power supply. It is permanently built into the housing and equipped with a dedicated power switch. This usually generates more waste heat directly in the device. Nevertheless, the monitor gets by with a minimal opening for ventilation, which is also hidden in the "smiling" recess.



Practical carrying handle and hidden ventilation slots

Technology

Operating noise

We did not notice any operating noise with the EIZO EV2480. Both in standby and in operation, the monitor works completely noiselessly - regardless of the brightness setting. However, the noise development in particular can be subject to a certain series dispersion, which is why this assessment does not necessarily apply equally to all devices in a series.

Power consumption

	Manufacturer (in watts)	Measured (in watts)
Operation max.	142	15,9
Operation typical	11	-
140 cd/m ²	k. A.	11
Operation min.	k. A.	6,2
Energy saving mode (standby)	0,5	<0,5
Switched off (Soft-off)	0,5	<0,5
Switched off (mains switch)	0	0

**Measured values without additional consumers (loudspeaker and USB)*

EIZO states a maximum consumption of 142 watts in the data sheet. However, this value does not only refer to operation with maximum brightness, but applies when all signal and USB connections are used simultaneously - i.e. also the external power supply.

In the highest brightness setting and without additional consumers, the maximum consumption is only 15.9 watts according to our measurements. The power button reduces the demand to less than 0.5 watts. However, it is hardly worth pressing it, because the standby value is marginally higher at best. Thanks to the power switch, the consumption can also be reduced completely to zero.

At 140 cd/m² at the workstation, the meter shows 11 watts. The efficiency at this brightness is calculated to be an excellent 2.0 cd/W. That is already an extremely good value.

Connections

In terms of connections, the EIZO EV2480 offers all modern signal inputs: 1 x DisplayPort (HDCP 1.3), 1 x HDMI (HDCP 1.4) and 1 x USB-C (compatible with DisplayPort Alternate Mode, HDCP 1.3).

The USB-C input also serves as a USB upstream port. Devices connected to it can transmit a video signal and are simultaneously supplied with USB hub and power (70 watts max.) in the sense of a docking station.



Connections

What the EIZO EV2480 lacks in contrast to the EIZO EV2495, however, is the LAN connection and the second USB upstream port. Of course, this also eliminates the KVM switch function in the OSD. Daisy chaining is also not possible with the EIZO EV2480. The necessary USB-C output for passing on the signal is missing. Instead, we also find two USB 3.0 downstream ports on the back.

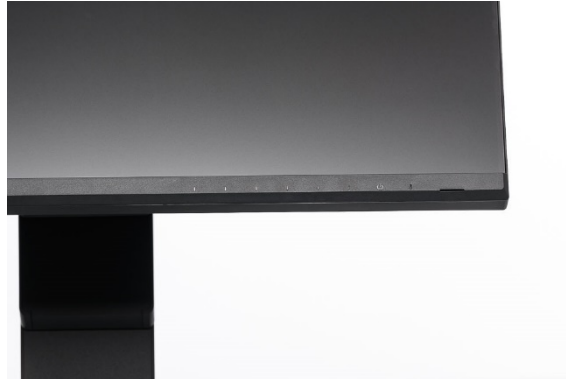
Two more downstream ports are placed on the left side and, together with the headphone jack, are slightly inwardly displaced but easy to reach.



Two USB 3.0 downstream ports and the headphone jack on the side in the bay window

Operation

The unit is operated via electrostatic controls. Since the loudspeakers and the brightness sensor are also integrated completely flat into the narrow front panel, this also benefits the appearance.

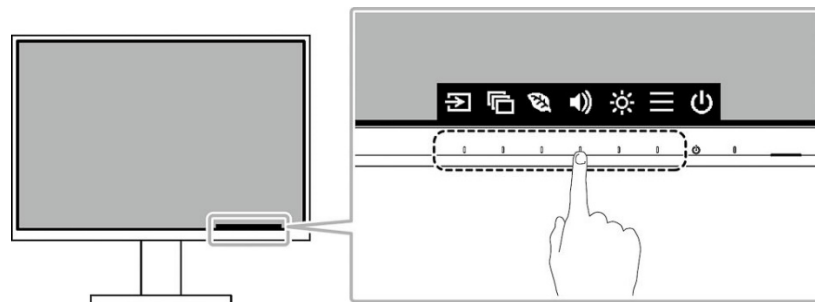


Electrostatic controls

The touch keys are very responsive and can be operated comfortably and reliably. The only thing we missed was acoustic feedback as with the ColorEdge devices.

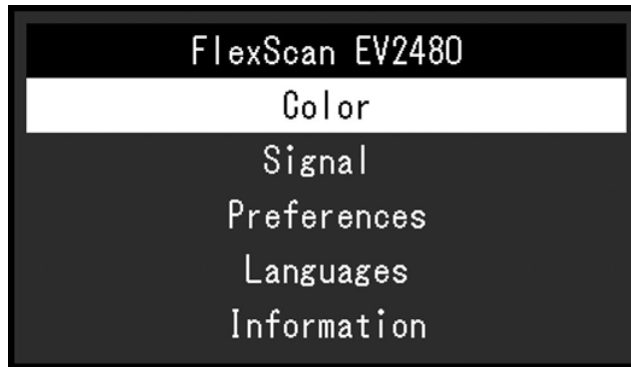
OSD

By pressing any key, you can first call up a quick selection. Signal source, user mode, EcoView, volume and brightness can thus be accessed directly without detouring via the menu. The "Menu" key takes you to the main menu with five main levels.



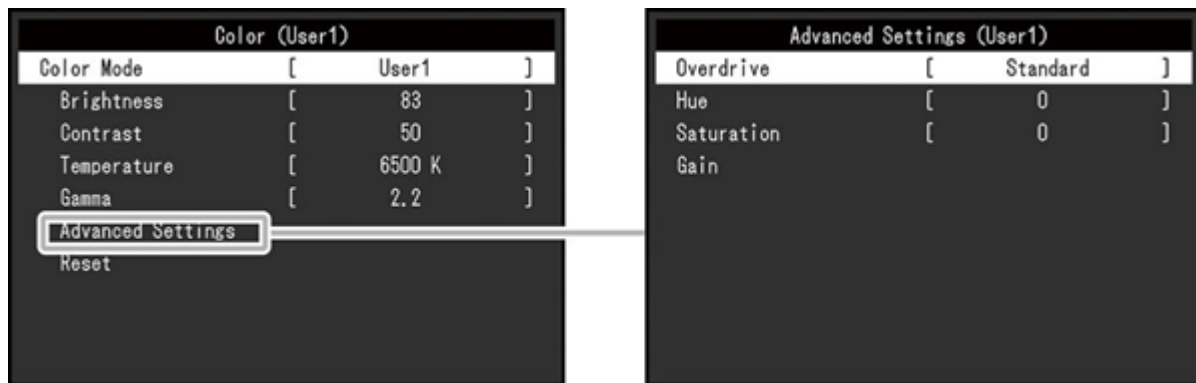
Menu entry and quick selection (Screenshot: EIZO manual)

EIZO's OSD may appear visually sober, but it is professional and user-friendly at the same time. For example, you can set the colour temperature not only as an exact numerical value. The set value is then actually achieved very precisely. Even a novice can easily find out when the screen becomes "warmer" or "cooler" by trial and error. Despite the large range of functions, EIZO manages remarkably well to structure them simply and clearly and to get by with only five main menu levels.

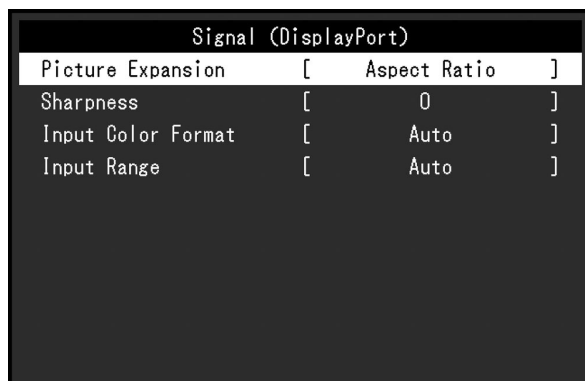


OSD: Main menu (Screenshot: EIZO manual)

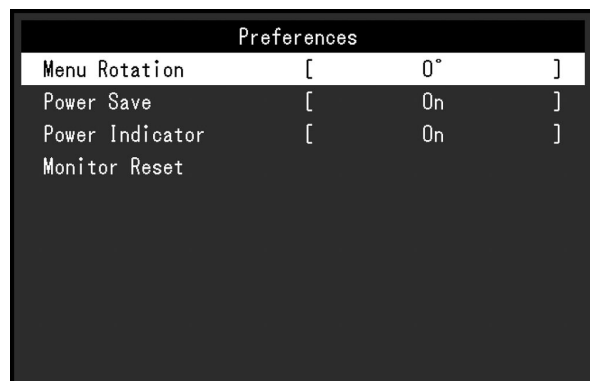
The operation is intuitive and mostly self-explanatory. In addition, everything is explained above average in the manual if required.



OSD: Colour settings (Screenshot: EIZO manual)



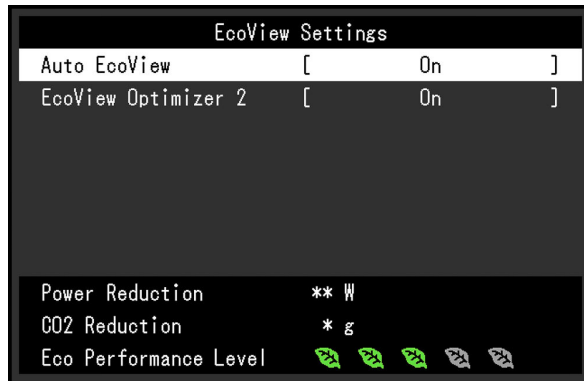
OSD: Signal settings (Screenshot: EIZO manual)



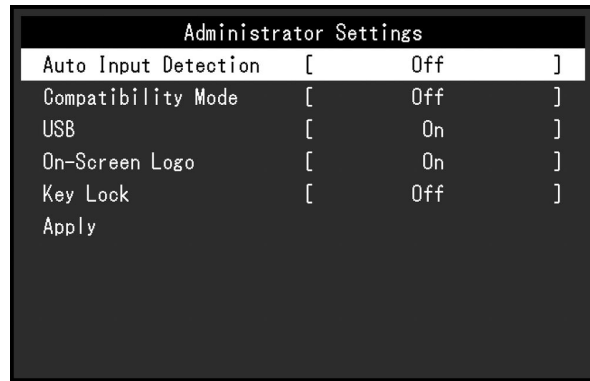
OSD: Preferences (Screenshot: EIZO manual)

In addition, the EIZO EV2480's ergonomics are not only enhanced by the mechanics, but also by the electronics. The FlexScan EV2480 is equipped with an enhanced fifth-generation Auto EcoView function. It is only accessible via the quick selection and not via the main menu.

A sensor continuously measures the change in ambient light and optimises the screen for optimal brightness values. The user's preference is also taken into account in the form of the set brightness value. This serves as a starting point, so to speak, from which the brightness can be adjusted almost unnoticed when the ambient light changes. On the one hand, this is easy on the eyes, and on the other hand, it protects the environment and the user's wallet. EIZO even discreetly adds colour to the OSD when displaying the energy savings achieved.



OSD: EcoView settings (Screenshot: EIZO manual)



OSD: Administrator settings (Screenshot: EIZO manual)

Picture quality

The panel frame and the surface of the panel are matt. The anti-reflective coating of the EIZO EV2480 is apparently above average. Even with bright objects, you have to get very close to the display to see any reflection at all. When reset, the monitor sets the following values:

Factory settings	
Picture mode:	"User1"
Brightness:	91
Contrast:	50
Gamma:	2,2
Colour temperature:	6500 K
RGB:	96/100/95
Colour Gamut:	n. v.
DUE Priority	n. v.
Sharpness:	0
Response time:	Standard

These values were used for the following assessment at factory setting.

Grayscale

The greyscales and the grey gradient already make an almost perfect impression ex works. They are very neutral and also completely identical on both halves of the picture. The lightest levels can be distinguished completely and the darkest up to and including level 5.



Grayscale

For the output colour depth, only 8 bits can be set in the driver of the EIZO EV2480. This corresponds to the manufacturer's specification of 16.7 million displayable colours. Internally, however, a 10-bit LUT (corresponds to 1.07 billion colour gradations) is used. The EIZO EV2495, on the other hand, even uses a 14-bit LUT.

The advantage of this higher calculation accuracy lies in finer grey and colour gradients. The EIZO EV2480 also performs very well here. Banding and colour shimmering are not noticeable. Only the brightening in the corners (see illumination) can disturb the otherwise very even horizontal gradient.

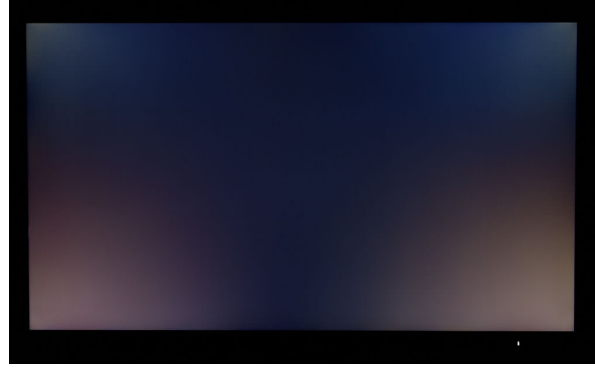
If you move from the central sitting position to the side, the colour temperature becomes noticeably warmer. On the other hand, there is hardly any loss of detail in the greyscales.

Illumination

The left photo shows a completely black image approximately as one sees it with the naked eye in a completely darkened room; here the noticeable weaknesses become visible. The right photo with a longer exposure time, on the other hand, highlights the problem areas and only serves to show them more clearly.



Illumination with normal exposure

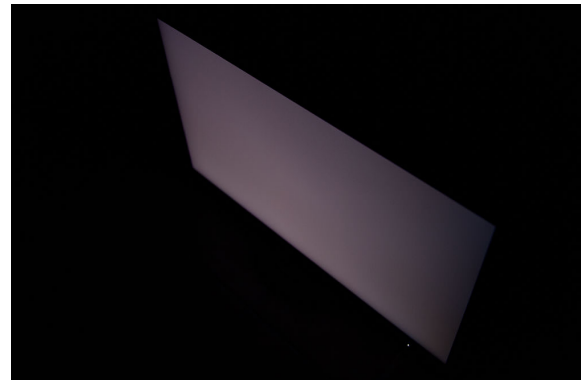


Illumination with extended exposure

When looking from the centre, slight brightening can only be seen in the corners, which is primarily due to the angle of view. At the bottom, the effect is somewhat more visible than at the top, but disappears almost completely when viewed vertically. At the top, on the other hand, slight brightenings can still be seen if you look very closely. However, the EIZO EV2480 does not have any "sharp" reflections at the edges - as is sometimes complained about elsewhere. However, the brightenings are not completely colour-neutral. At the bottom they appear slightly yellowish.



Glow effect horizontal



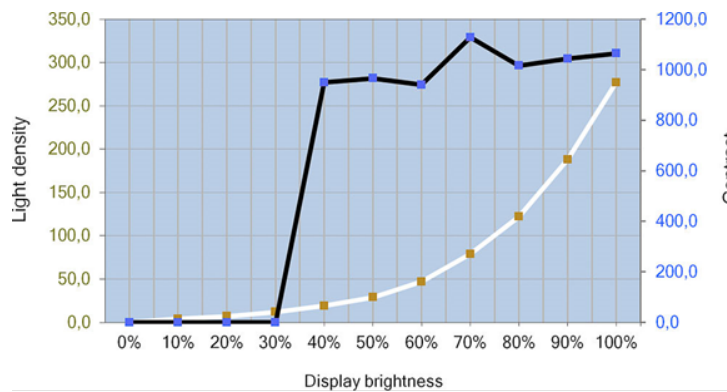
Glow effect from above

If you deviate more from the central sitting position, the usual brightening due to an IPS glow becomes visible - most strongly with a diagonal view. However, it is not only predominantly colour-neutral, but is also clearly below average on the EIZO EV2480.

Brightness, black level and contrast

Measurements are taken after calibration to D65 as the white point. If possible, all dynamic controls are deactivated. Due to the necessary adjustments, the results are lower than when performing the test series with native white point.

The measurement window is not surrounded by a black border. The values can therefore be compared more with ANSI contrast and reflect real world situations much better than measurements of flat white and black.



Brightness and contrast curve of the EIZO EV2480

With native white point, we reach a maximum of around 277 cd/m². This is even 11% above the manufacturer's specification of 250 cd/m². The minimum brightness is almost zero and we could not determine it exactly. The brightness control can only be used sensibly from 40%. The measured brightness here is 19 cd/m². That is why we only measured the contrast values from 40 %.

The brightness increase of the EIZO EV2480 is not linear as usual, but progressive. The maximum brightness is in any case completely sufficient, but normal working brightness is only achieved at settings above the 70 per cent mark. The remaining adjustment range is nevertheless sufficient for fine brightness control.

Since only very minor adjustments to the RGB controls were necessary for calibration, nothing changes afterwards in the values for maximum and minimum brightness.

The contrast ratio of the IPS panel is given by the manufacturer as 1000:1. According to our measurements, it averages a very good 1016:1 after calibration.

Image homogeneity

We examine the image homogeneity on the basis of four test images (white, neutral tones with 75 %, 50 %, 25 % brightness), which we measure at 15 points. This results in the averaged brightness deviation in % and the likewise averaged delta C (i.e. the chromaticity difference) in relation to the respective centrally measured value. The perception threshold for brightness differences is about 10 %.

-13.42%	-10.11%	-12.59%	-12.64%	-14.7%	2.06	1.6	0.89	0.88	0.57
-12.33%	-3.95%	0.0%	-5.94%	-12.83%	1.27	0.85	0.0	0.8	0.93
-7.61%	-2.93%	-0.83%	-4.42%	-5.87%	1.09	0.85	0.54	1.04	1.55

Brightness distribution of the white test pattern

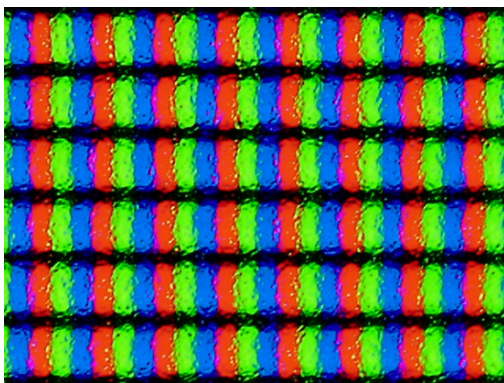
Colour homogeneity in the white test pattern

Surprisingly, the brightness distribution of our test unit is somewhat weaker - at least for EIZO standards. The average value (8.58%) and the maximum deviation (14.7%) are only satisfactory. The colour homogeneity, on the other hand, is really good, barely achieving a "very good" in our rating (delta C average: 1.07, delta C maximum: 2.06).

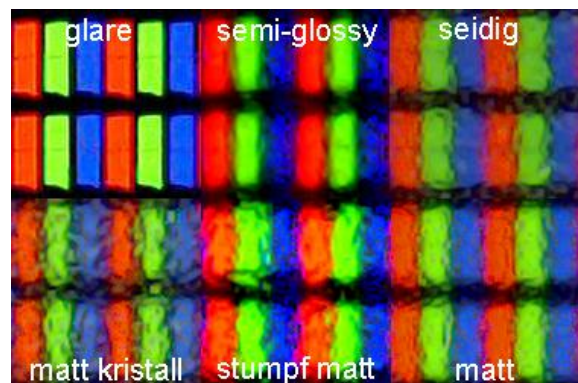
Subjectively, the picture homogeneity is not on the level of graphics monitors, but it is still good.

Coating

The surface coating of the panel has a great influence on the visual assessment of image sharpness, contrast and sensitivity to ambient light. We examine the coating with the microscope and show the surface of the panel (foremost film) in extreme magnification.



Coating of the EIZO EV2480



Coating reference picture

Microscopic view of the subpixels, with focus on the screen surface: The EIZO EV2480 has a dull matte surface with microscopically visible indentations for diffusion.

Viewpoint

The manufacturer's specification for the maximum viewing angle is 178 degrees horizontally and vertically. These are typical values for modern IPS and VA panels. The photo shows the EV2480's screen at horizontal viewing angles of ± 60 degrees and vertical viewing angles of $+45$ and -30 degrees.



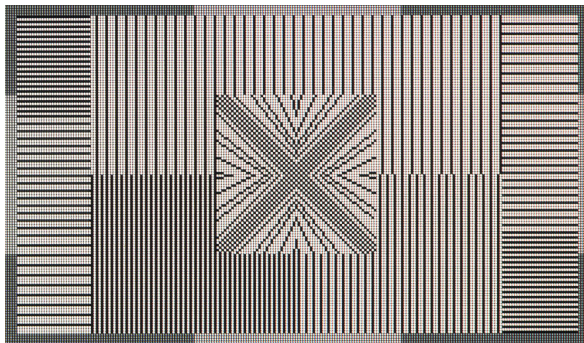
Horizontal and vertical viewing angles

The viewing angle stability is very good, as is typical for IPS. Even at extreme viewing angles, the colours remain very stable and always consistent. The usual loss of brightness and contrast is most noticeable on the horizontal plane. The slightly warmer colour temperature is hardly noticeable in coloured images. At vertical viewing angles, the colour temperature becomes slightly cooler and largely compensates for the loss of brightness. In dark areas, too, there is hardly any loss of definition.

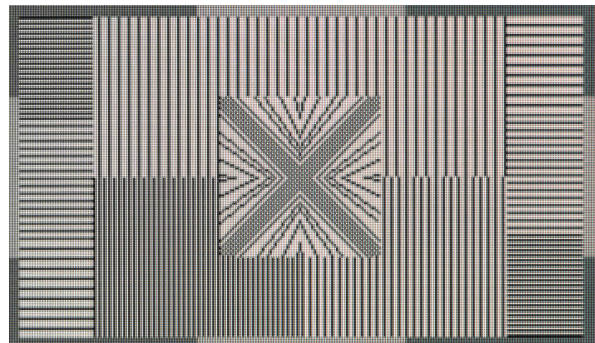
Interpolation

The EIZO EV2480 also has a sharpness control that is set to 0 at the factory. It is only intended to compensate for any blurring caused by interpolation at lower resolutions. In native resolution, the slider can be safely ignored due to the digital input signal.

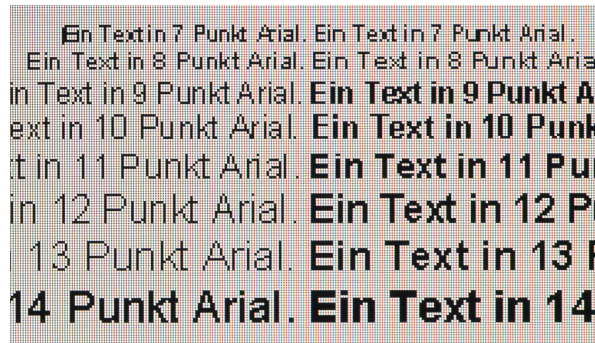
For input signals that deviate from the native resolution, the unit offers the options "full screen" (distorted if necessary), "aspect ratio" (undistorted) and also a pixel-precise 1:1 display. The scaling is set to "automatic" ex works. It works very well and in most cases achieves a distortion-free and maximum screen-filling display.



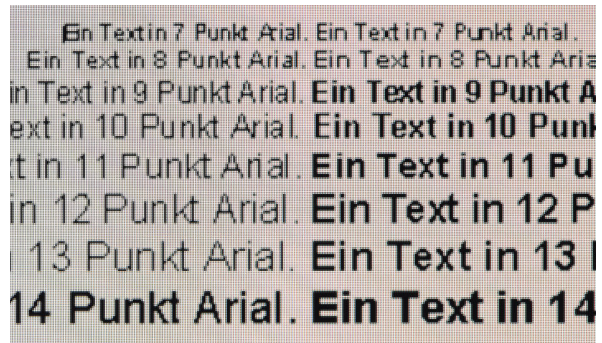
Test graphic native, full screen



Test graphic 1280 x 720, full screen



Text reproduction native, full screen



Text reproduction 1280 x 720, full screen

The interpolation capability of the EIZO EV2480 is - as usual from the manufacturer - excellent. This applies to both the scaling options and the implementation. The sharpness at native resolution is very good, as expected. At 1280 x 720 you can see that the necessary pixel enlargement is mainly caused by additionally inserted grey pixels. This leads to somewhat bolder contours with a slight impression of blurriness. Colour fringing does not occur.

In all interpolated resolutions, the readability of texts and the reproduction of the test graphics are - according to the degree of scaling - good to very good. The unavoidable interpolation artefacts are low. Even texts with bold letters remain legible.

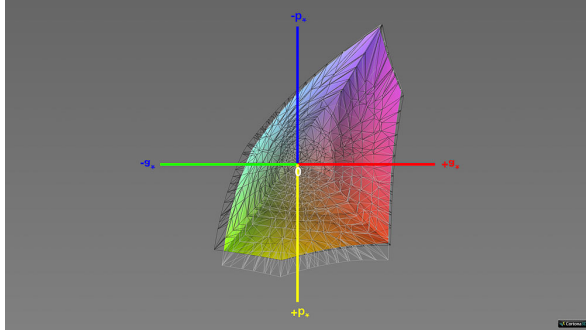
Colour rendering

For monitors for the consumer and office sector, we first test the colour reproduction in the factory setting after the reset and - if available - in an sRGB mode. Then the test person is calibrated with Quato iColor Display. We use our own software for the measurements, the X-Rite i1Display Pro colourimeter and the X-Rite i1Pro spectrophotometer are used as measuring devices.

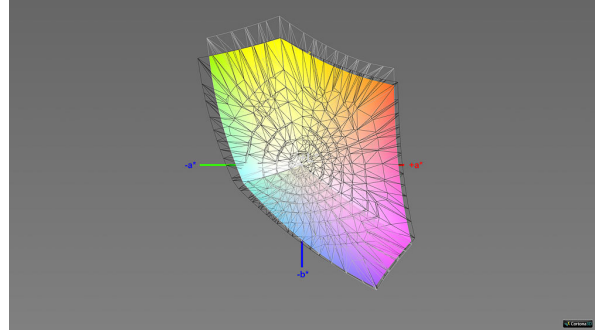
Colour space coverage

Unfortunately, the EIZO EV2480 is somewhat disappointing in terms of colour space coverage. Only 91% of the standard colour space sRGB is covered. However, since the monitor's colour space clearly exceeds this in other areas, this is not subjectively noticeable at all during normal work.

For image and especially video editing in an uncalibrated state, the EIZO EV2480 offers an sRGB mode. However, we will spare the colour space graphics for this here, as they look practically identical and the overlapping is not remedied by this either.



Coverage of the sRGB colour space, 3D slice 1



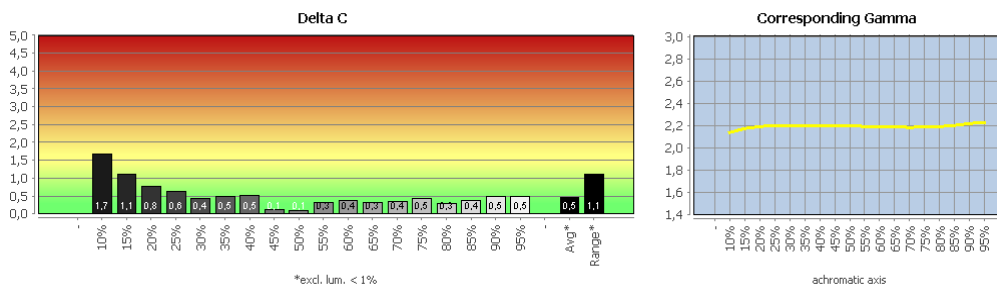
Coverage of the sRGB colour space, 3D slice 2

The following table summarises the results for the factory preset and after software calibration with Quato iColor Display:

Colour space	Cover in factory preset	Coverage after calibration
sRGB	91 %	91 %
Adobe RGB	-	66 %
ECI-RGB v2	-	60 %
DCI-P3 RGB	-	68 %
ISO Coated v2 (FOGRA39L)	-	87 %

Colour mode: Custom (factory setting)

We have summarised the explanations for the following charts for you: Delta E deviation for colour values and white point, Delta C deviation for grey values, and gradation.



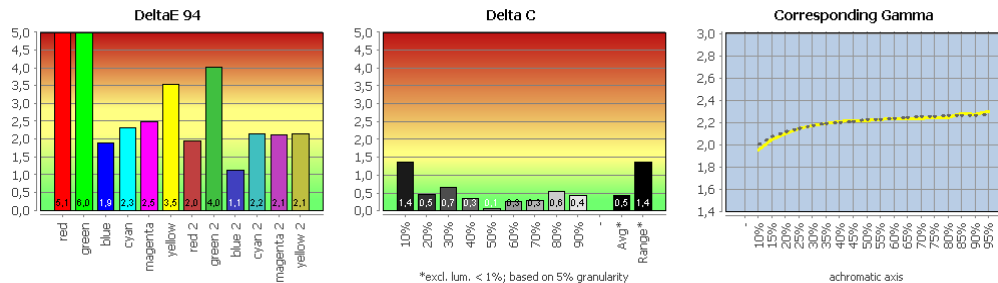
Grey balance in the factory setting, picture mode "User1"

The grey balance of the EIZO EV2480 is also excellent from the factory. Only the range is slightly higher. If you disregard the deviations at 10% - as they are barely perceptible

here - it's enough for a very good result. The colour temperature of 6700 K and the gamma (average: 2.19) are practically exactly on target.

The detailed test results can be downloaded as a [PDF file](#).

Comparison sRGB mode with sRGB working colour space



Colour reproduction in the factory setting, picture mode "sRGB

In sRGB mode, the grey balance remains very good on average, as before. The colour temperature remains unchanged, but the gamma curve is now perfectly adapted to the sRGB specification. On average, the gamma is also very accurate at 2.20.

On the other hand, things look less good with the chromatic colours. Due to the somewhat meagre colour space coverage of 91% and an average Delta E94 of 2.49, it is only enough for a "satisfactory" rating here.

The detailed test results can be downloaded as a [PDF file](#).

Measurements after calibration and profiling

For the following measurements, the unit was calibrated and profiled from Quato iColor Display. The target brightness was 140 cd/m². D65 was chosen as the white point.

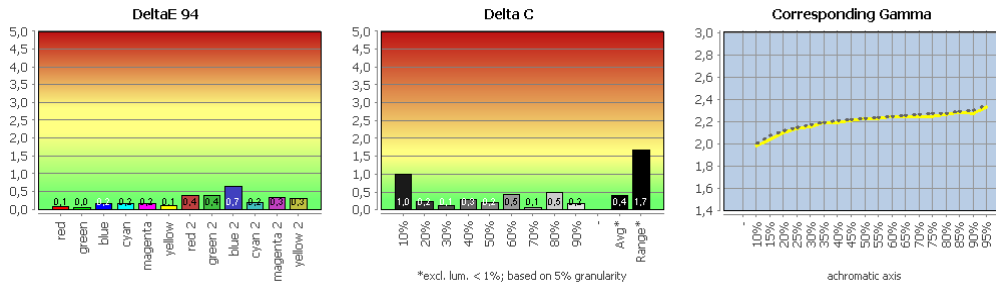
Neither represents a generally valid recommendation. This also applies to the choice of gradation, especially since the current characteristic is taken into account within the framework of colour management anyway.

The following values were set for the calibration in the OSD:

Calibration	
Picture mode:	"User1"
Brightness:	83
Contrast:	50
Gamma set:	2,2
Colour temperature:	User
RGB:	96/100/93
Colour Gamut:	n. v.

DUE Priority	n. v.
Sharpness:	0
Response time:	Standard

Profile validation

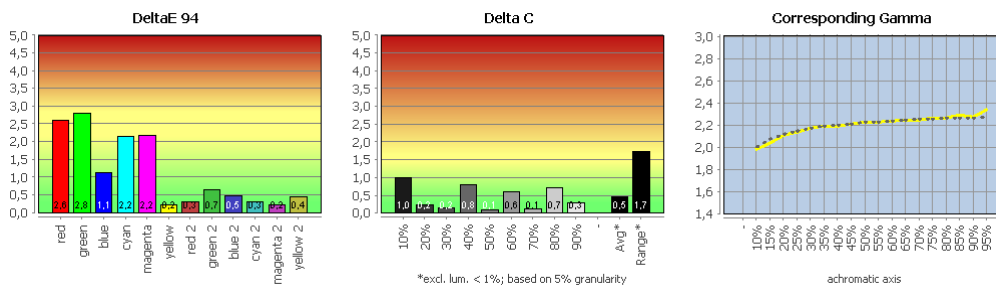


Profile validation

The EIZO EV2480 shows no noticeable drifts or unsightly non-linearities. The matrix profile describes its condition very accurately. A repetition of the profile validation after 24 hours showed no significantly increased deviations. All calibration targets were met. The grey balance is good, the colour values are very good.

The detailed test results can be downloaded as a [PDF file](#).

Comparison with sRGB (colour transformed)



Comparison with sRGB (colour transformed)

Our CMM takes into account the working colour space and screen profile and performs the necessary colour space transformations with colourimetric rendering intent on this basis.

Calibration can noticeably improve colour accuracy in colour management-enabled applications. The grey balance is good to very good and the colour deviations achieve a good result on average (Delta-E94-Average: 0.99). However, the colour space coverage cannot be improved.

The detailed test results can be downloaded as a [PDF file](#).

Reaction behaviour

We examined the response behaviour in native resolution at 60 Hz on the DisplayPort. The monitor was reset to factory settings for the measurement.

Image build-up time and acceleration behaviour

We determine the image build-up time for the black to white change and the best grey to grey change. In addition, we give the average value for our 15 measuring points.

The measurement value CtC (colour to colour) goes beyond the conventional measurements of pure brightness jumps - after all, one usually sees a coloured image on the screen. This measurement therefore measures the longest period of time that the monitor needs to change from one mixed colour to the other and stabilise its brightness. The mixed colours cyan, magenta and yellow are used - each with 50 % signal brightness. With the CtC colour change, therefore, not all three subpixels of a pixel switch in the same way, but different rise and fall times are combined.

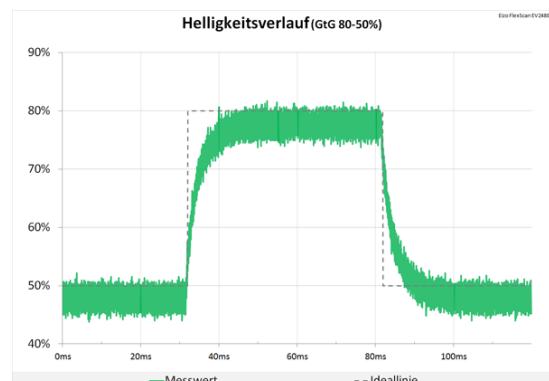
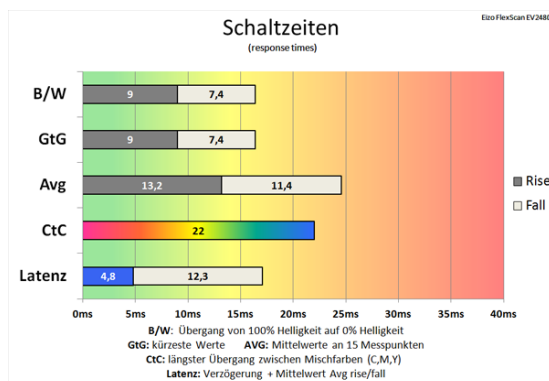
The data sheet states a response time of 5 ms for GtG. An acceleration option (overdrive) is available. Here there are the positions "Off", "Standard" and "Improved". The default value is "Standard".

60 Hz, Overdrive "Off"

The overdrive can also be switched off on the EIZO EV2480. We measure the black/white change and the fastest grey change at 16.4 ms each. The average value for our 15 measurement points is 24.6 ms, and the CtC value is determined with 22 ms.

There are no overshoots to be observed, the tuning is very neutral.

The switching time diagram shows, among other things, how different brightness jumps add up, how fast the monitor reacts in the factory setting in the best case and what average reaction time can be assumed.



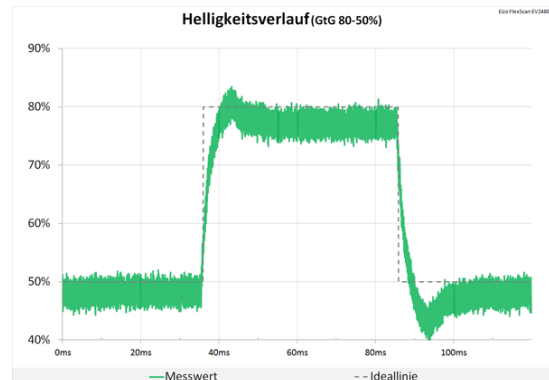
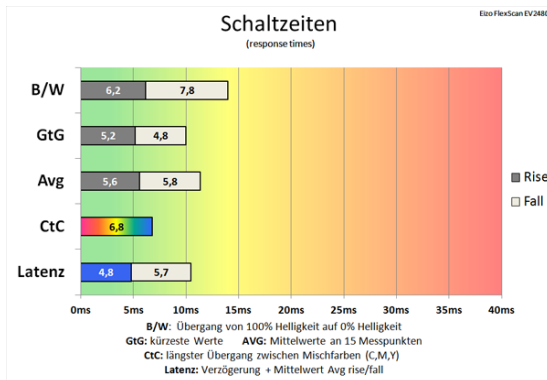
60 Hz (Overdrive "Off"): slow switching times

60 Hz (Overdrive "Off"): no overshoots

60 Hz, Overdrive "Standard"

In the factory setting "Standard", on the other hand, the switching times make a huge leap in the right direction. We now measure the black/white change with 14 ms and the fastest grey change with 10 ms. The average value for our 15 measuring points is 11.4 ms. The CtC value is also good at only 6.8 ms.

Fortunately, there are no disturbing overshoots.



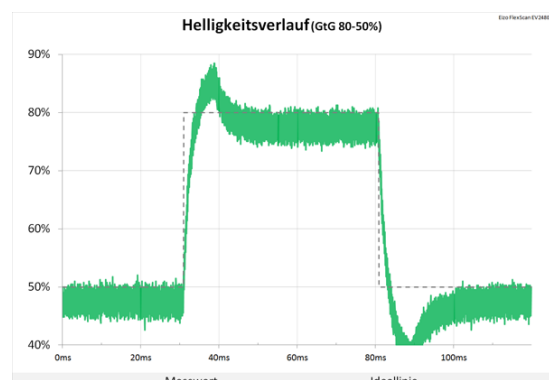
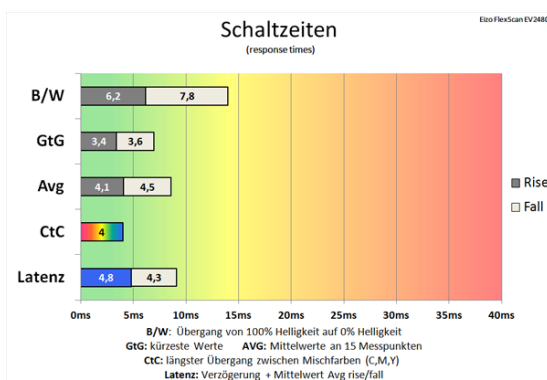
60 Hz (Overdrive "Standard"): fast switching times

60 Hz (Overdrive "Standard"): minimum overshoot

60 Hz, Overdrive "Improved"

In the highest setting, "Improved", we continue to measure the black/white change at 14 ms. On the other hand, the fastest grey change with 7 ms is much faster. The average value for our 15 measurement points is really fast at 8.6 ms, as is the CtC value at 4 ms.

Unfortunately, some stronger overshoots are now visible. The factory setting "Standard" is therefore already optimally chosen by the manufacturer. Since the performance is hardly weaker in practice, we would also recommend it for gaming.



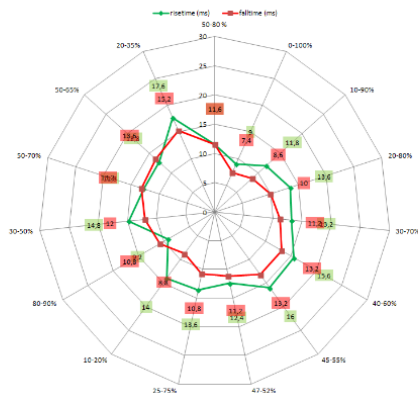
60 Hz (Overdrive "Improved"): even better switching times ...

60 Hz (Overdrive "Improved"): ... but already clearly visible overshoots

Network diagrams

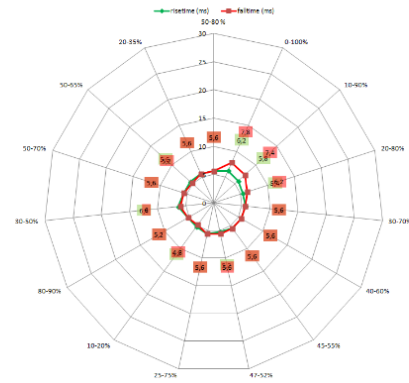
In the following grid diagrams you can see an overview of all the measured values for the different brightness jumps of our measurements. Ideally, the green and red lines would be close to the centre. Each axis represents a brightness jump of the monitor defined in level and dynamics, measured via light sensor and oscilloscope.

Reaktionszeit bei verschiedenen Helligkeitsübergängen
(grey-to-grey)



Eizo FlexScan EV2480

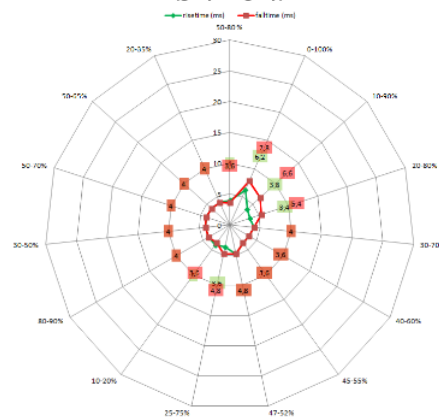
Reaktionszeit bei verschiedenen Helligkeitsübergängen
(grey-to-grey)



Eizo FlexScan EV2480

60 Hz, Overdrive "Off" - 60 Hz and Overdrive "Standard"

Reaktionszeit bei verschiedenen Helligkeitsübergängen
(grey-to-grey)



Eizo FlexScan EV2480

60 Hz, Overdrive "Improved"

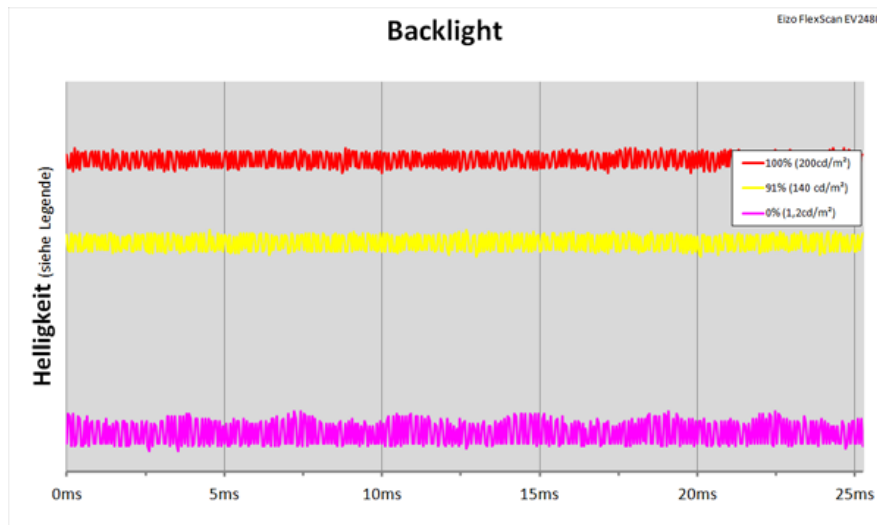
Latency and subjective assessment

Latency is an important value for players, we determine it as the sum of the signal delay time and half the average frame change time.

As we have shown before, the EIZO EV2480 can already shine in standard mode, but even more so in the highest overdrive level with good response times. The half average picture switching time here is 5.7 ms. Fortunately, the good switching times are not called into question by the very short signal delay of 4.8 ms. In total, this makes 10.5 ms.

Backlight

The backlight of the EIZO EV2480 works with W-LED and shines continuously. The comparison in the diagram shows: Both at full and reduced brightness settings, the luminous flux is not interrupted, as would be the case with PWM backlights. Thus, even at reduced brightness, the screen is suitable for longer work.



LED backlight with continuous brightness control

Sound

The EIZO EV2480 is equipped with two stereo speakers. They can be recognised as narrow slots on the front and have an output power of 1 watt each. The unit processes sound signals at all inputs that also accept video signals. Output is possible via the integrated speakers or via the headphone output.



Front-facing speakers: Slots on the outer edges

As expected, there are no great leaps in volume and sound. Nevertheless, we generally see an advantage in built-in loudspeakers, since you are acoustically informed about the system feedback at any time.

DVD and video

HD players such as Blu-ray players, HDTV receivers and game consoles can be connected directly to the HDMI socket of the EIZO EV2480. The sound is output to the internal speakers or forwarded to the headphone output.

In addition to the sRGB mode, the OSD offers a special movie mode for film playback. However, it is not necessary to switch to a picture mode other than the calibrated User1 mode.

We have also used it here for subjective assessment. The reproduction is rich in detail and can convince with a very good contrast and natural colours. Thanks to the good illumination, you don't have to fear any seriously disturbing brightening in the black bars at the top and bottom, even with Cinemascope films.

The playback appears smooth throughout, and we did not notice any lagging effects in fast scenes. However, the EIZO EV2480 does not support 24p playback.

Evaluation

Housing processing and mechanics:	5
Ergonomics:	5
Operation/OSD:	5
Energy consumption:	5
Noise generation:	5
Subjective image impression:	5
Viewing angle dependence:	5
Contrast:	5
Illumination (black image):	4
Image homogeneity (brightness distribution):	3
Image homogeneity (colour purity):	5
Colour space volume (sRGB):	4
Before calibration (greyscale factory mode):	5
Before calibration (sRGB):	3
After calibration (sRGB):	4
After calibration (profile validation):	4
Interpolated image:	5
Suitable for casual players:	5
Suitable for hardcore players:	4
Suitable for DVD/Video (PC):	4
Suitable for DVD/video (external feed):	4
Price-performance ratio:	4
Price [incl. VAT in Euro]:	from €320
Overall ranking:	4.5 (VERY GOOD)

Conclusion

The EIZO EV2480 also lives up to the premium claim of the EV series. Externally, it is hardly distinguishable from the significantly more expensive EIZO EV2495. You don't have to do without very high-quality workmanship and industry-leading ergonomic features.

Only features that not everyone needs - such as LAN connection, daisy chaining and KVM switch - have been dropped. The 16:9 format also offers slightly less space in height than the EIZO EV2495. Due to the considerably lower price, the EIZO EV2480 is therefore particularly attractive for those who are looking for a solid and durable device for the home office and home schooling.

The topics of sustainability and longevity are not only proclaimed by EIZO with fine words, but as usual underlined with a five-year manufacturer's warranty (including on-site replacement service). There's no question about it: you can get a 24-inch standard monitor for much less - but hardly in this quality, and in the long run it may be financially more advantageous.

The only thing that remains to be desired is the colour space coverage. However, even dedicated hobby photographers should hardly notice this. It is particularly pleasing that the EIZO EV2480 also has good response times in the sense of an all-rounder - for a little game after work.

The fact that the sum is often more than the individual parts also applies to the EIZO EV2480. At a price of 315 euros at the time of testing, it is therefore enough for a very good overall rating and recommendation. If the 24-inch diagonal is still enough for you, you can't go wrong here.



Note: PRAD received the EV2480 on loan from EIZO for testing purposes. The manufacturer did not exert any influence on the test report, nor was there any obligation to publish it or any confidentiality agreement.

Link to the original test report: <https://www.prad.de/testberichte/test-eizo-ev2480-office-monitor-erzielt-bestnote/>



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