

Medicanvas V's Conventional View Box's

The Medicanvas View Box far out Performs Conventional View Box's on a number of aspects including efficiency, cost effectiveness and design. Below we compare the Medicanvas View Box with the Conventional View Box in further detail, and highlight the superior performance features of the Medicanvas.

Performance Features

Medicanvas	Conventional View Box
<ul style="list-style-type: none"> • Excellent Uniformity of Light Distribution <p>The backlight technology used by Medicanvas is the same as that used in Laptop computers, and distributes the light evenly. The uniformity of Light Distribution is more than 90%. This facilitates more accurate film reading, while reducing eyestrain thereby enabling viewing for longer periods of time.</p>	<ul style="list-style-type: none"> • Poor Uniformity of Light Distribution <p>In the case of a Conventional Box with ordinary lamps, there is an uneven light distribution. Often the area close to the lamp lights brightly, but this gets progressively darker the farther away from the direct light you move, with some areas showing only approximately 30% light distribution. This results in reading difficulties and increased eyestrain.</p>
<ul style="list-style-type: none"> • Blue Light is more suited to X-ray Films <p>Medicanvas uses the latest CCFL Lamp technology, which emits an 8,600-kelvin colour temperature. This produces a blue type light more suitable for reading X-ray films.</p>	<ul style="list-style-type: none"> • White Light is more suited to Colour Films <p>A lamp that emits a 5,000-kelvin colour temperature produces a white-type light similar to sunlight at noon. This is more appropriate for reading coloured films.</p>
<ul style="list-style-type: none"> • Greatly Reduced Eye Fatigue <p>The latest CCFL Lamp used in the Medicanvas flickers 40,000 times per second. At this rate, the eye cannot recognise flickering, thereby reducing the level of eye-fatigue, even if watched for a longer period.</p>	<ul style="list-style-type: none"> • Eye Fatigue <p>An ordinary lamp has a lower frequency and flickers 50 times a second. Therefore, if watched for more than 10 minutes, the eyes recognise the flickering of the lamp, thus causing greater eye fatigue</p>

Note: The Iris of an eye enlarges to facilitate viewing in the darker areas and narrows to enable viewing in brighter areas. By using a view box with a low uniformity of light distribution, the iris must continually readjust when looking at different areas of the screen. This results in increased eyestrain, even after only 10 minutes of viewing.

“I usually spend more than 5 hours a day examining films on a conventional view box, so it can cause me great eye strain. But, Medicanvas® has a blue-type light lamp which does not flicker. This reduces eye strain and enables me to use it for longer periods of time.” - Participant Doctor at European Congress of Radiology (ECR, Vienna, 2002)

Economical and Convenience Features

Medicanvas	Conventional View box
<ul style="list-style-type: none"> • Longer Lamp Lifetime (20,000 hours) <p>The lamp used by Medicanvas lasts for 20 year without the need to replace it. The advanced CCFL (Cold Cathode Fluorescent Lamp) emits a very low level of heat. This reduces the need to clean and replace lamps as frequently, thus saving a lot of time and money.</p>	<ul style="list-style-type: none"> • Short Lamp Lifetime (3,000 hours) <p>Conventional View Box Lamps must be cleaned once a month in order to maintain their performance. This is inefficient and inconvenient. It is also uneconomical (in terms of lamp costs) for both doctors and hospitals to have to replace lamps every 3 months.</p>

“We have to replace the lamps in our view box every 3 months. At present, the hospital has 500 conventional view boxes and each view box has 3 lamps, so we replace 6,000 units of lamps every year.” - Shinchon Hospital, Korea

Design Features

Medicanvas	Conventional View Box
<ul style="list-style-type: none"> • Ultra Modern Technology <p>Medicanvas is the Worlds slimmest view box at 2.5cm depth, and the first to use TFT-LCD backlight technology. Korea has the largest market share of TFT-LCD technology in the world.</p>	<ul style="list-style-type: none"> • Outdated Technology <p>The conventional view box is 15 cm in depth because it uses ordinary lamps. The technology has not been updated for more than 30 years.</p>
<ul style="list-style-type: none"> • Ultra Modern Design <p>Medicanvas is a view box but looks more like an elegant and sophisticated PDP-flat TV. It is also easy to install as it hangs on the wall in a similar fashion. It gives a professional appearance to a consultation area, and with a slim and high tech design, it provides for an efficient and flexible use of space. Medicanvas is the professional Interior designers preferred choice.</p>	<ul style="list-style-type: none"> • Outdated Design <p>A conventional view box will not promote a professional appearance for a consultation area, or promote patient reassurance. The prominent size of the view box is awkward and reduces spatial efficiency. Often wall renovations are necessary to attain an attractive overall appearance, and therefore it also does not provide any flexibility for changing interior arrangements.</p>

“We call the conventional view box the “Grand Father of all view boxes” because the design and technology has not improved for the past 100 years.” - Sales Representatives, RSNA, USA -

“ We have spent so much time and money on a 7cm thick View Box, but the Medicanvas View Box at 2.5cm think is just so much more innovative, we would not waste any more time.” - Ondes et Rayon -

“Medicanvas® is the best in the world. We use a view box made from the USA, but Medicanvas® looks better in design and in thickness. If I use Medicanvas®, other doctors will surely like it also.” - Orthopaedic Surgeon Seoul National University –