

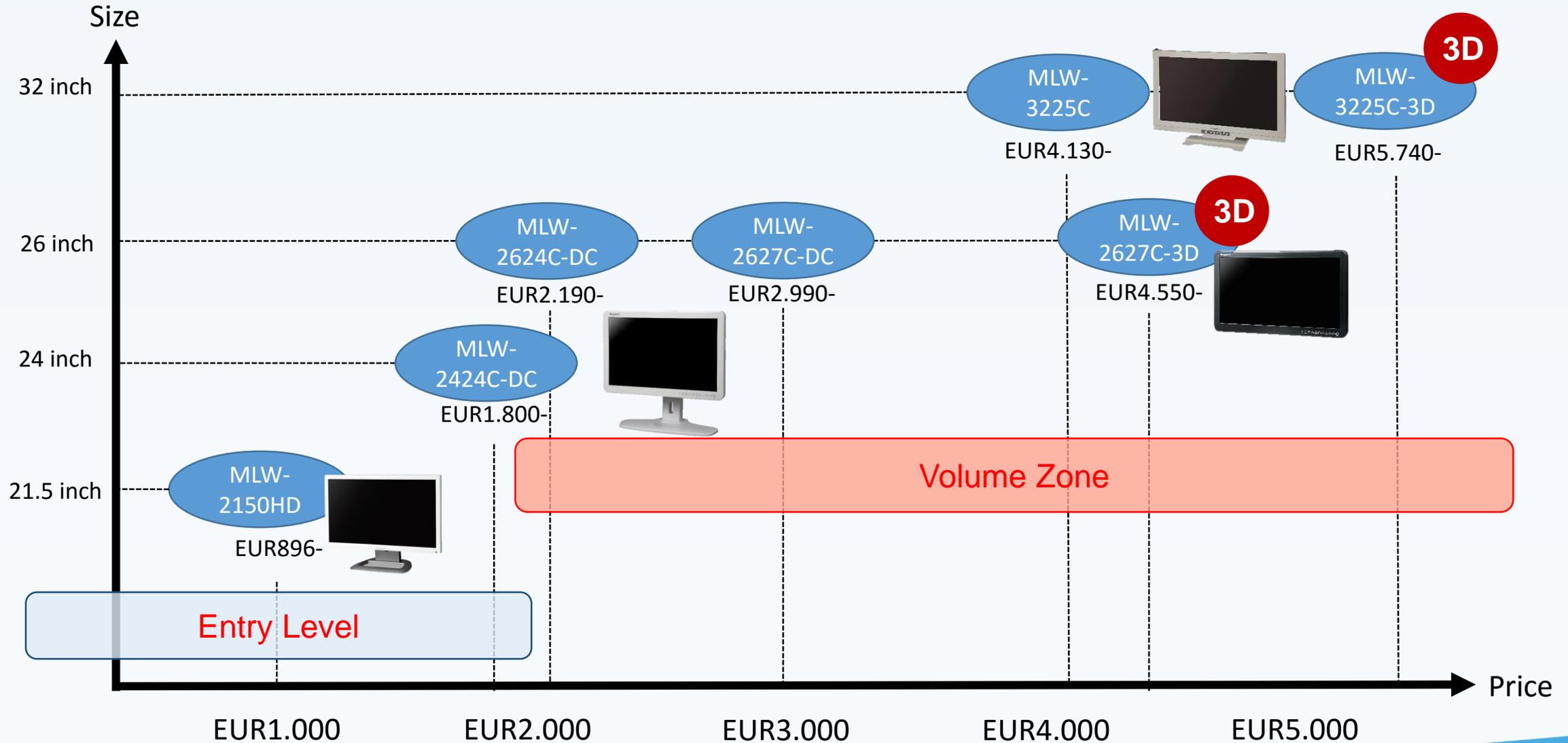
Ikegami our reflections creates the Perfect images

Ikegami **image>**

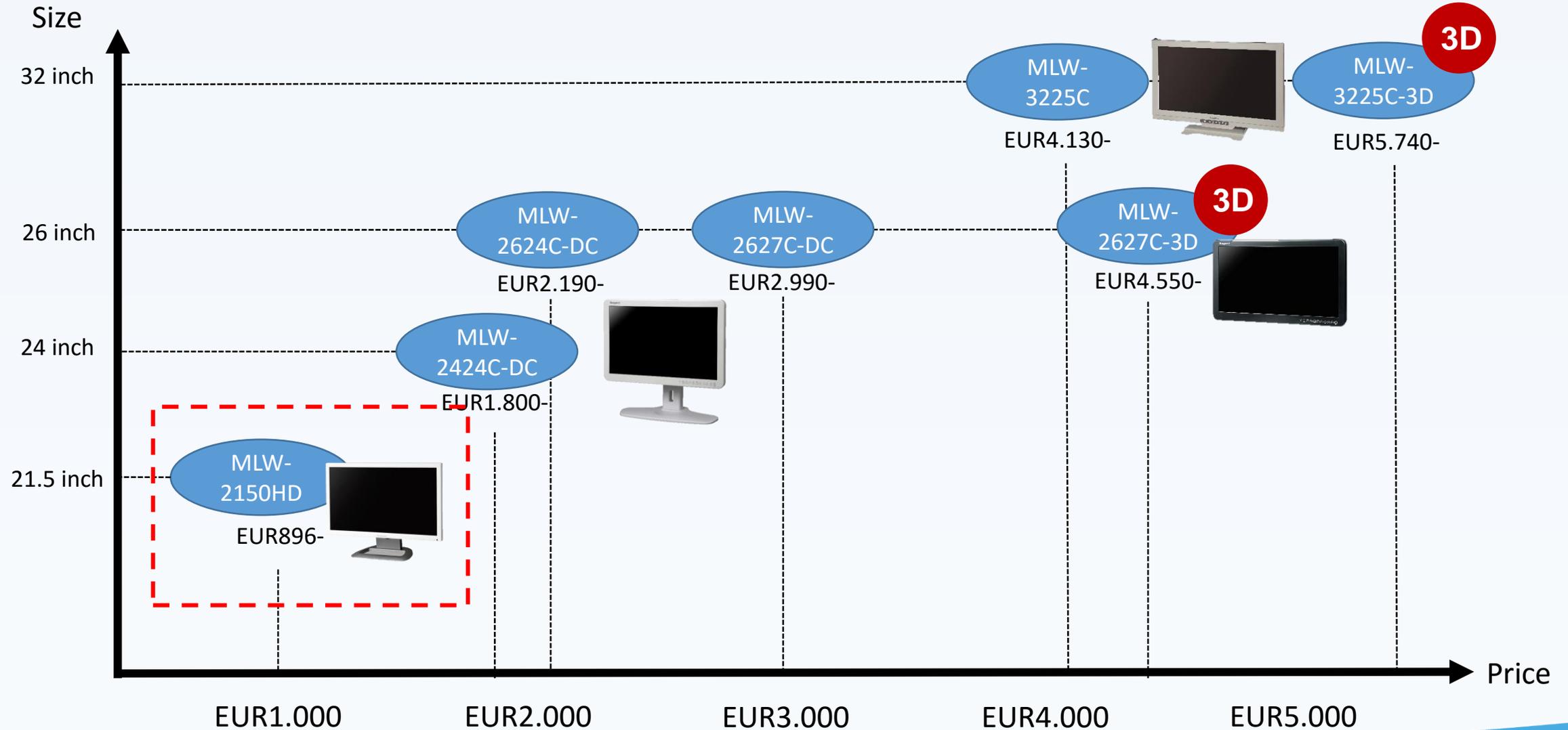
Ikegami monitor Presentation



Our HD product range



MLW-2150HD

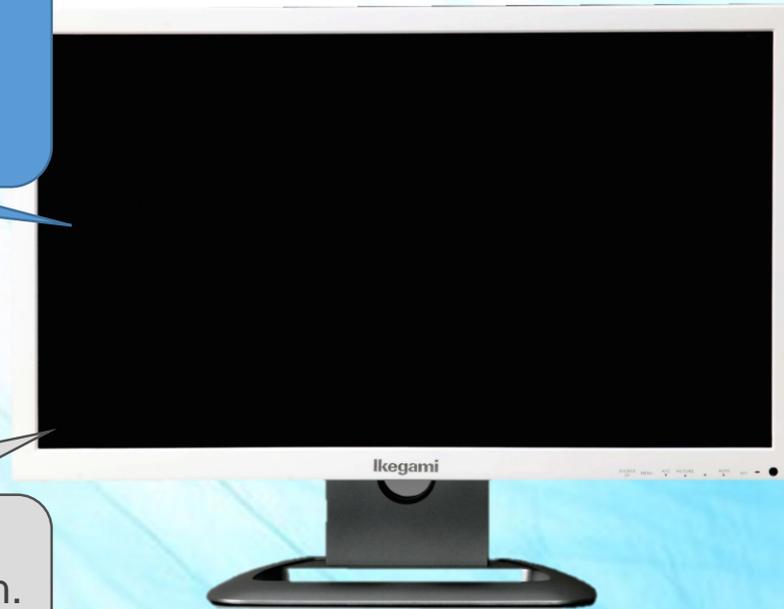


MLW-2150HD



The concept of MLW-2150HD

- ✓ Reliable price range
- ✓ Supporting various interface
- ✓ Following basic specification



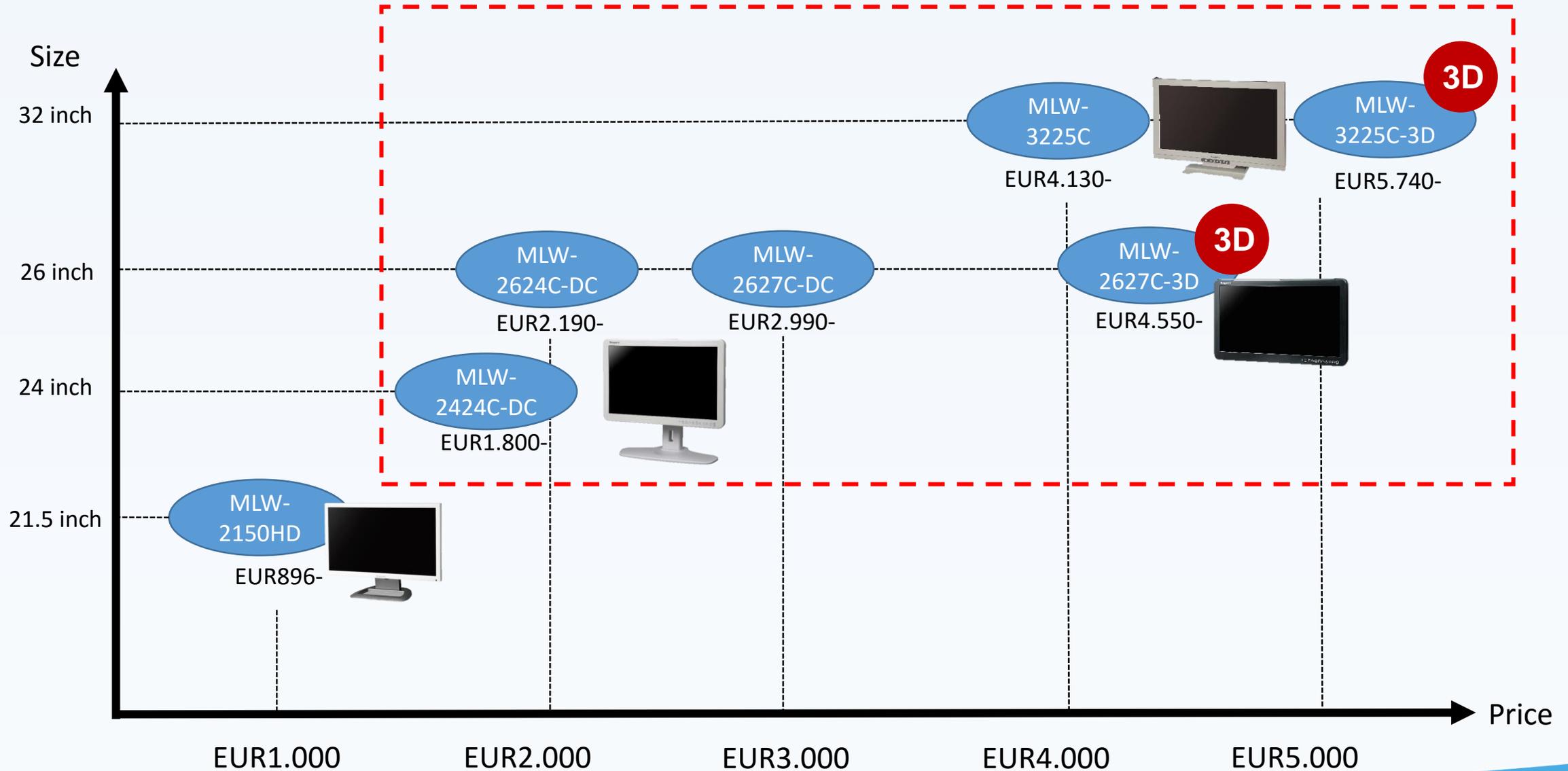
Competition

Less competition in surgical screen.
NDS:ENDOVIEW® 21" ...

Model name	MLW-2150HD
Panel size	21.5inch
Resolution	1920X1080
Dual display	N/A
Brightness	250cd/m ²
Contrast Ratio	1000:1
View Angle	170°
Video Engine	8 bit
Color Space	72% (NTSC)
Color Gradient	16.7 milion

Number of delivery 500 pieces (since:2013)

MLW Series



MLW Series

The concept of MLW-2000 Series

- ✓ Reliable price range
- ✓ Supporting various interface
- ✓ Following basic specification
- ✓ Professional grade Image
- ✓ Client perspective

Competition

!!A lot of competition!!
Specs?
Pricing?



Number of delivery

MLW-2424C-DC: 70 pieces (since :2016)
MLW-2624C-DC: 130 pieces (since: 2016)

MLW Series



Comparison chart – 24 inch FHD monitor



Model name	MLW-2424C-DC	LMD-2435MD	MDSC-2324	FS-L2402D	Radiance G2 24"
Panel size	24inch	24inch	24inch	24inch	24inch
Resolution	1920x1200	1920x1080	1920x1200	1920x1200	1920x1200
Aspect Ratio	16:10	16:9	16:10	16:10	16:10
Dual display	Available	Available	Available	Available	Available
Brightness	400cd/m²	300cd/m ²	400cd/m ²	600cd/m ² (5 points avg.)	250cd/m ²
Contrast Ratio	1500:1	1400:1	?	1000:1	1000:1
Video Engine	10 bit	10 bit	10 bit	?	?
Color Space	102% (NTSC)	72% (NTSC)	Adobe RGB 1998	?	100% (BT.709)
Color Gradient	16.7 million	16.7 million	16.7 million	?	?
Price	EUR1.800				

MLW Series



Comparison chart – 26 inch FHD monitor (2D)

Ikegami

SONY

BARCO

FSN
Medical Technologies

NDS
SURGICAL · IMAGING

Model name	MLW-2624C-DC	MLW-2627C-DC	LMD-2735MD	MDSC-2326	FS-P2604D	Radiance G2 HB 26"
Panel size	26inch		27inch	26inch	26inch	26inch
Resolution	1920x1080		1920x1080	1920x1200	1920x1080	1920x1080
Aspect Ratio	16:9		16:9	16:9	16:9	16:9
Dual display	Available		Available	Available	Available	Available
Brightness	450cd/m ²	900cd/m ²	300cd/m ²	450cd/m ²	500cd/m ²	450cd/m ²
Contrast Ratio	1400:1		1000:1	1400:1	1500:1	1400:1
Video Engine	10 bit		10 bit	10 bit	10 bit	10 bit
Color Space	72% (NTSC)		72% (NTSC)	100% (BT.709)	?	100% (BT.709)
Color Gradient	1.07 billion		16.7 million	1.07 billion	1.07 billion	1.07 billion
Price	EUR2.190	EUR2.990				

MLW Series



Comparison chart – 32 inch FHD monitor (2D)



Model name	MLW-3225C	N/A	MDSC-2232	FS-L3202D	Radiance G2 32"
Panel size	32inch		32inch	32inch	32inch
Resolution	1920x1080		1920x1080	1920x1080	1920x1080
Aspect Ratio	16:9		16:9	16:9	16:9
Dual display	-		Available	Available	Available
Brightness	500cd/m²		450cd/m ²	450cd/m ²	350cd/m ²
Contrast Ratio	1000:1		1300:1	1300:1	3000:1
Video Engine	10 bit		8 bit	?	?
Color Space	72% (NTSC)		?	?	100% (BT.709)
Color Gradient	16.7 million		16.7 million	16.7 million	?
Price	EUR4.130				

MLW Series



Comparison chart – FHD monitor (3D)

Ikegami

SONY

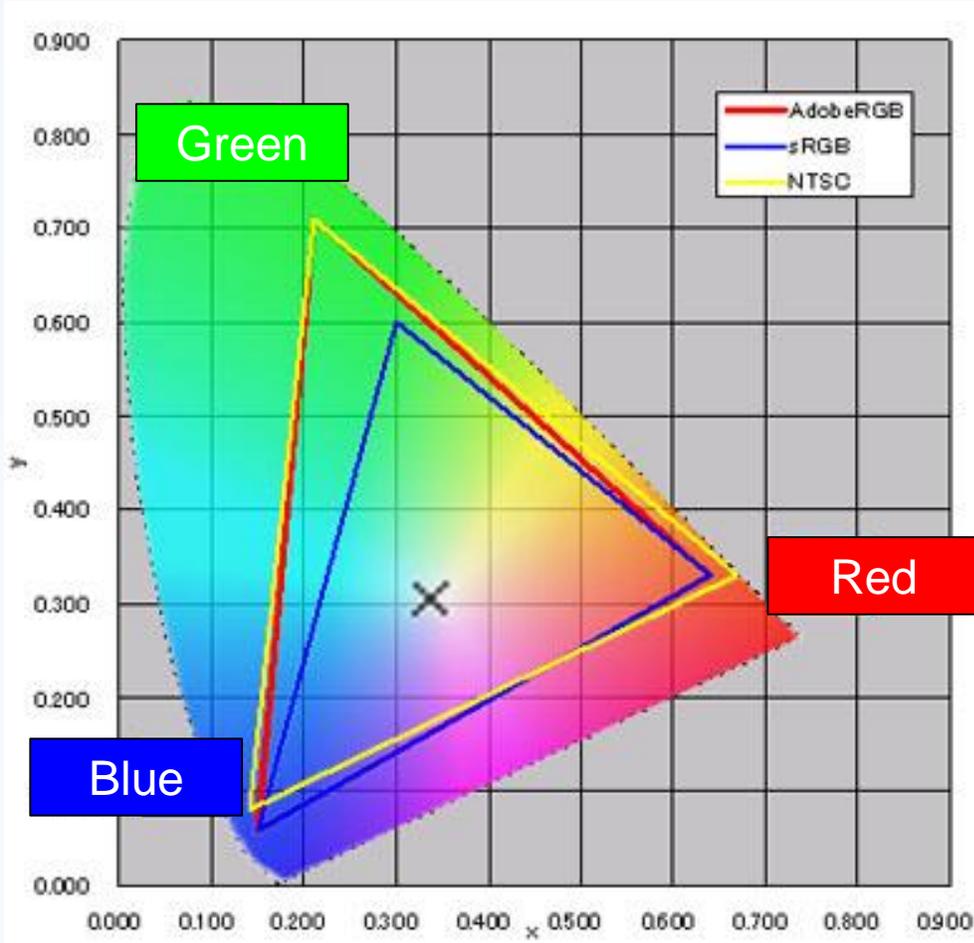
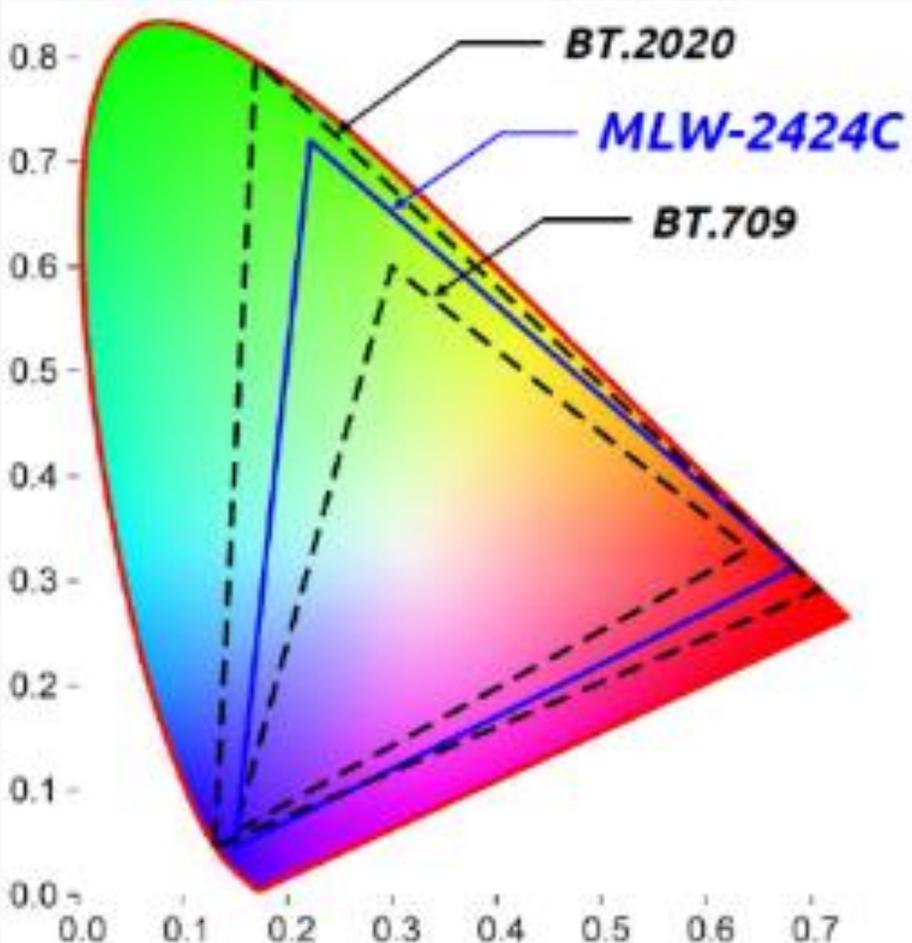
BARCO

FSN
Medical Technologies

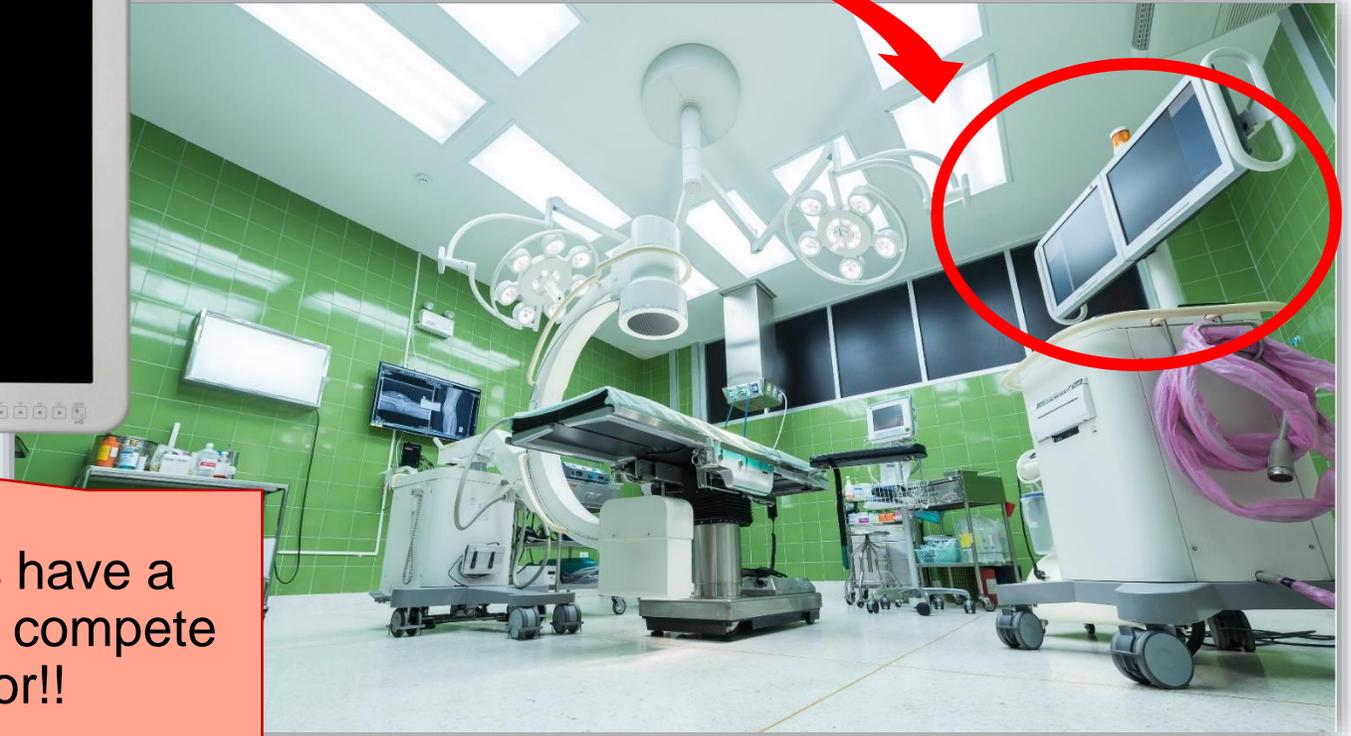
NDS
SURGICAL · IMAGING

Model name	MLW-2627C-3D	MLW-3225C-3D	LMD-2451MT	N/A	FS-P2607D	N/A
Panel size	26inch	32inch	24inch		26inch	
Resolution	1920x1080		1920x1200		1920x1080	
Aspect Ratio	16:9		16:10		16:9	
Dual display	Available		Available		Available	
Brightness	450cd/m ²	250cd/m ²	?		900cd/m ² (2D)	
Contrast Ratio	1400:1	1000:1	1400:1		1400:1	
Video Engine	10 bit		10 bit		?	
Color Space	72% (NTSC)		72% (NTSC)		?	
Color Gradient	1.07 billion	16.7 million	16.7 million		1.07 billion	
Price	EUR4.550	EUR5.740				

Technical information: Color Space



What is the benefit on Ikegami monitor??



Ikegami medical grade monitors have a lot of unique features in order to compete in the similar range of the monitor!!

Benefit and Reliability of Ikegami monitor

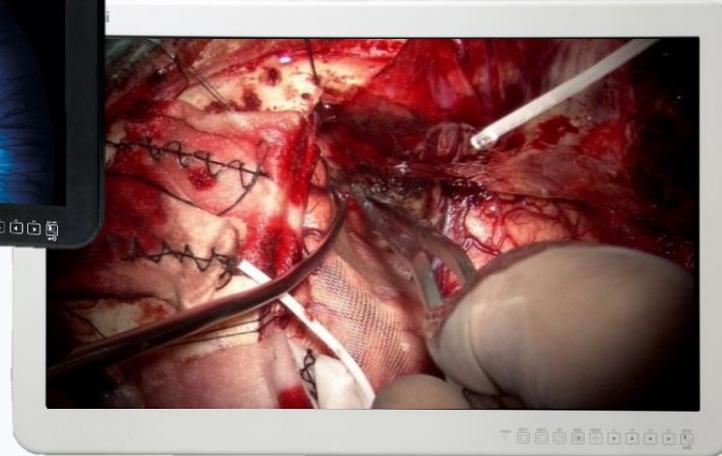


Quality of the LCD panel

Ikegami Medical MLW monitor series employ a high quality LCD panel, made by Japanese manufacture which is giving high resolution with very natural colour reproduction capability and long term supplying.



Japanese Technology

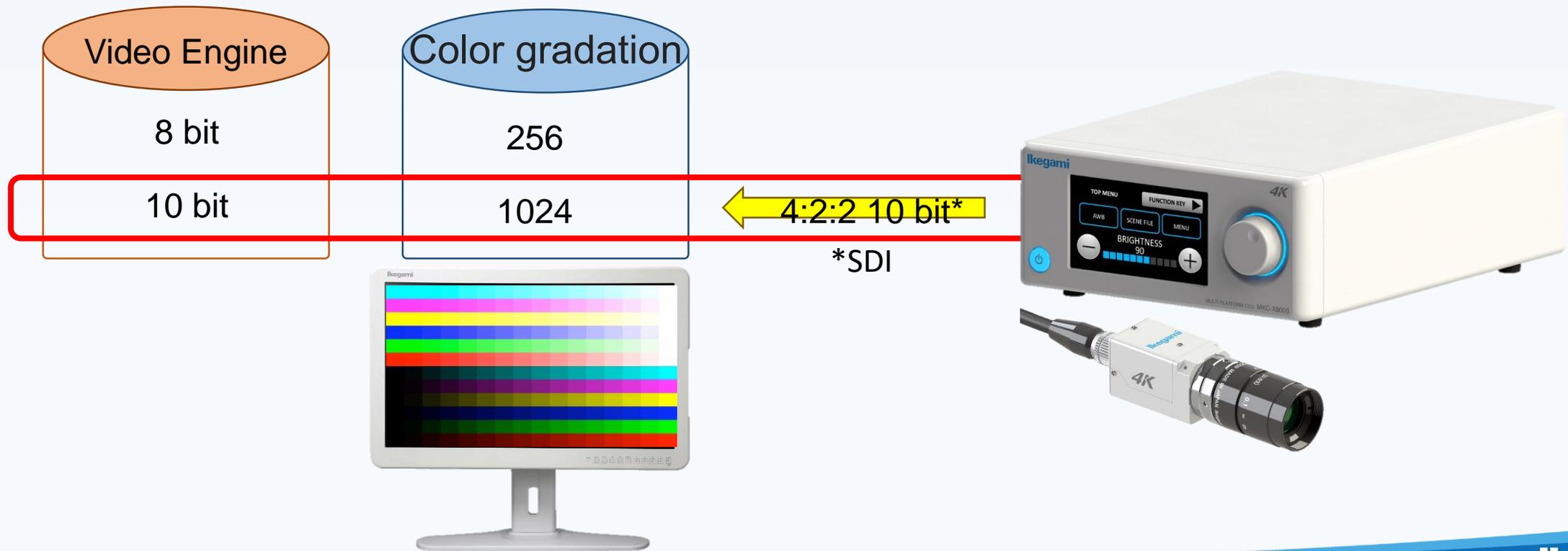


Benefit and Reliability of Ikegami monitor



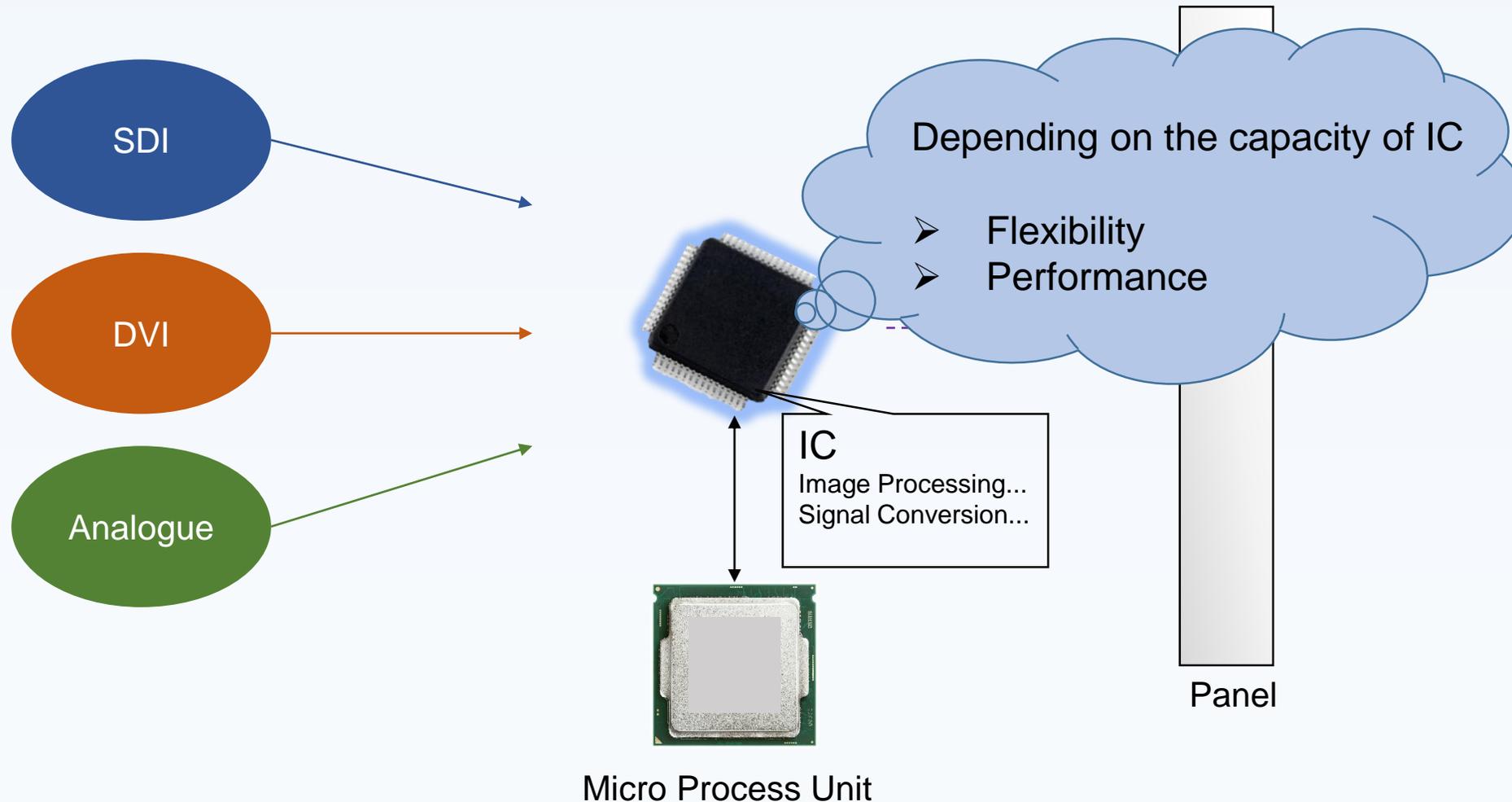
Combination with Ikegami Medical grade camera

The best image quality can be shown between Ikegami's Medical camera and monitor.



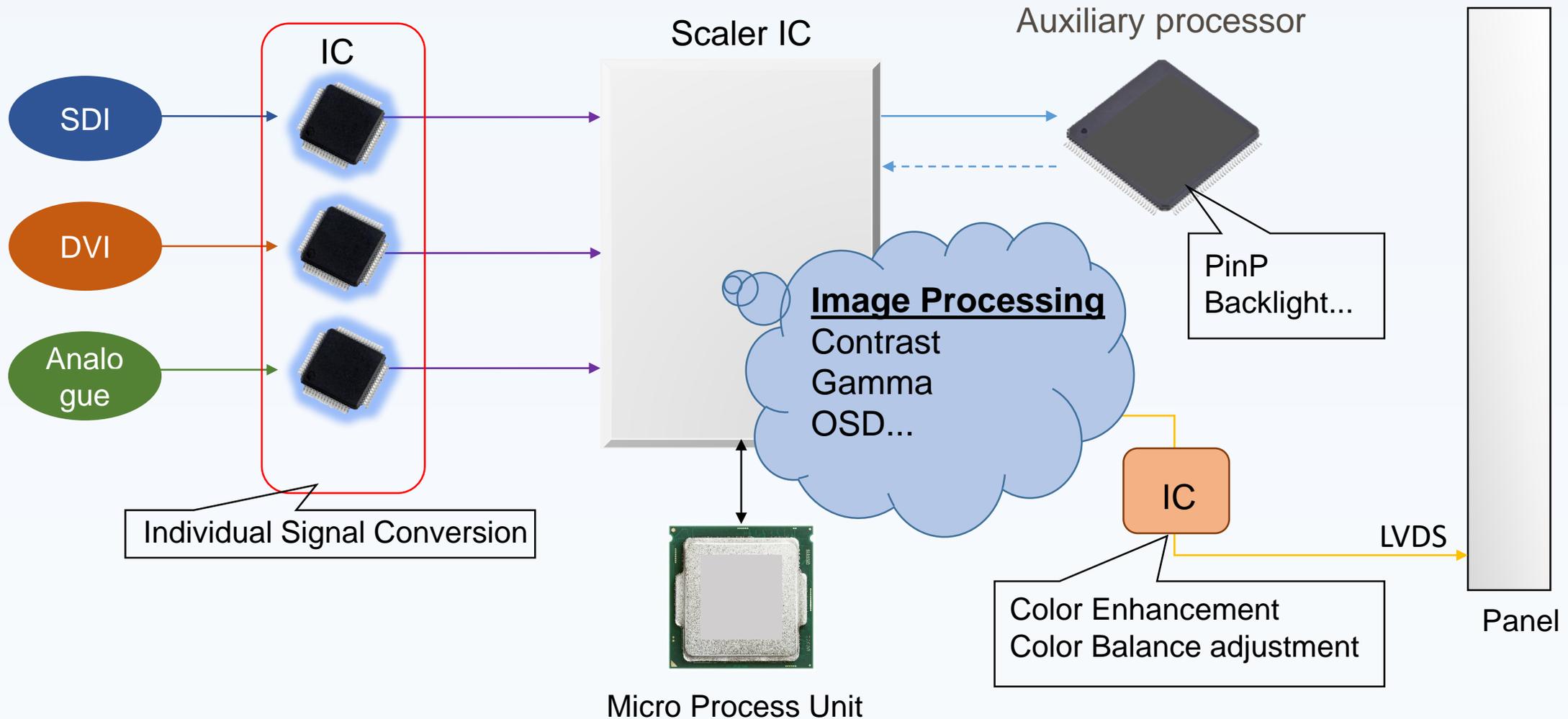
Benefit and Reliability of Ikegami monitor

The way of image processing (Ex. Competitor's monitor)



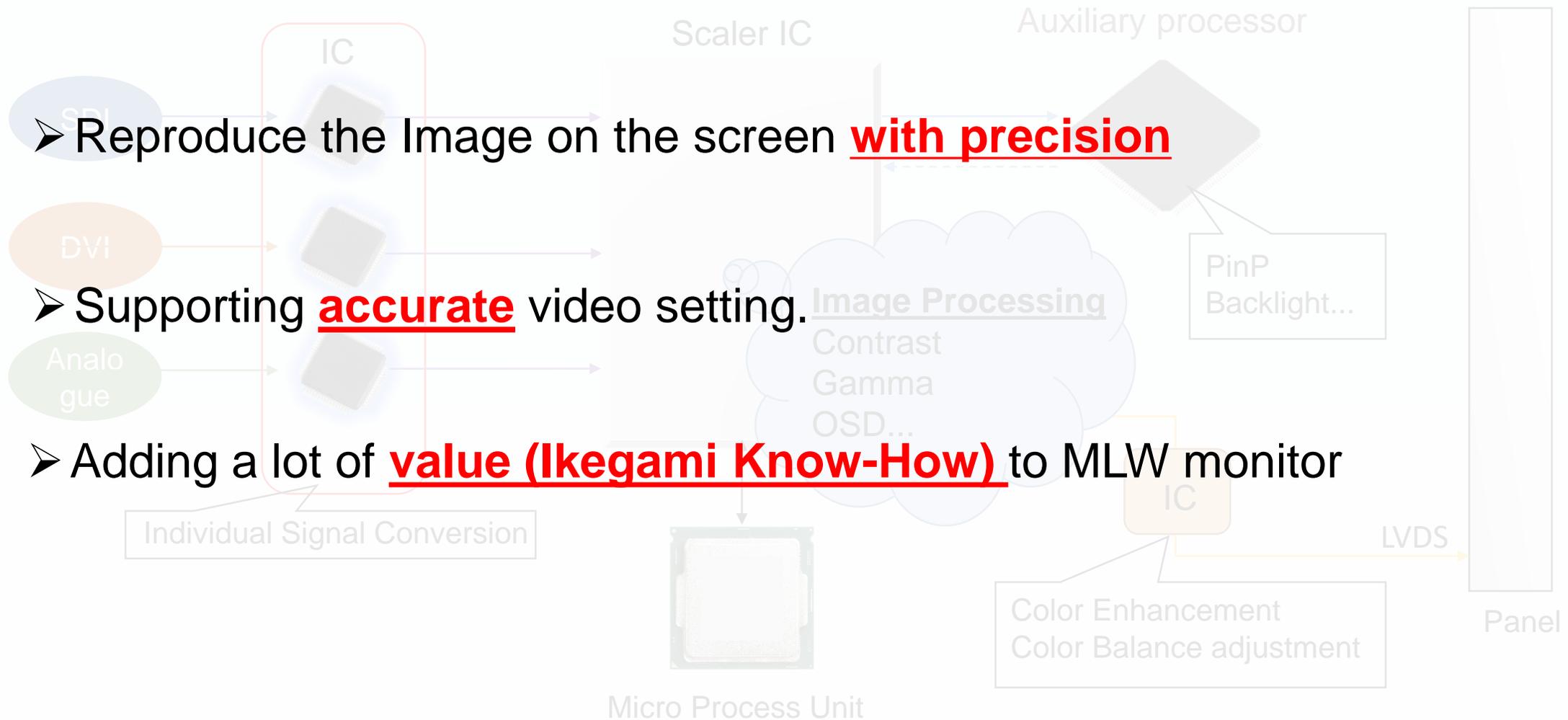
Benefit and Reliability of Ikegami monitor

The way of image processing (Ex. Ikegami monitor)



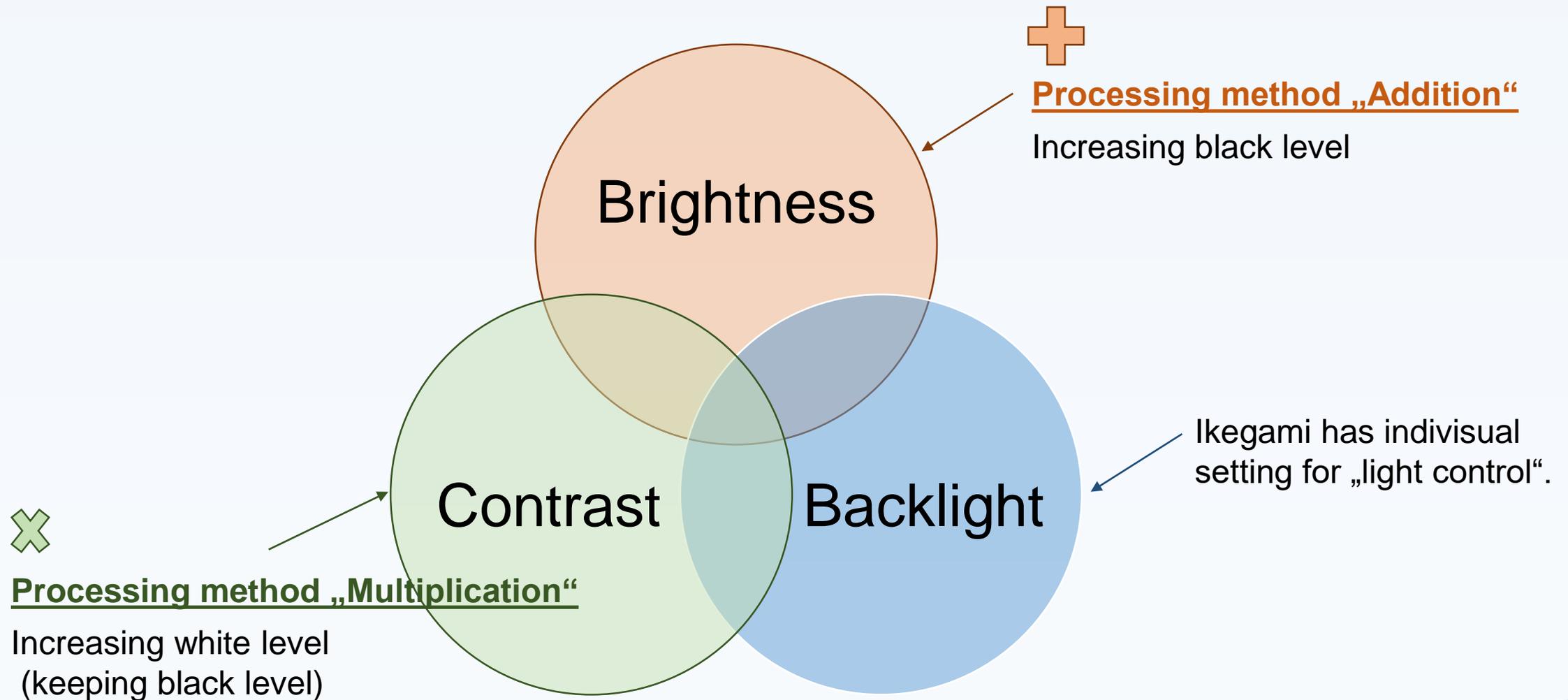
Benefit and Reliability of Ikegami monitor

The way of image processing (Ex. Ikegami monitor)



Benefit and Reliability of Ikegami monitor

The way how reproduce natural color



Benefit and Reliability of Ikegami monitor



Water-proof against medicine or liquid



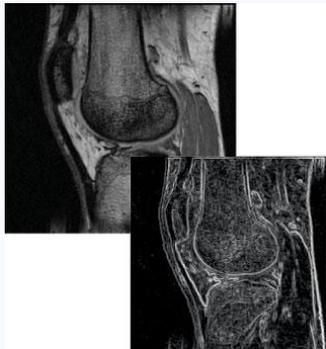
Anti-reflection screen protection panel

LED Backlight panel

User Setup Memory

Maximum 8 different settings for picture setup parameters such as brightness or colour renderings on each input can be memorized and called up when necessary.

Gamma compatibility



Five different Gamma characters can be set, including the standard CRT Gamma of 2.2, the DICOM Gamma and so on. Gamma can be set at any desired position between 1.8 to 2.6 by 0.2 increments.

OEM Possibility

Touch Switch

A touch switch is fitted for easy operation.

All Ikegami monitors are produced under quality standard as ISO13485!!

MLW-2750UHD **NEW**



“Newest technology for Surgical 4K monitor”

Advanced 2K System

A Big Step Toward Future 4K System



Microscope
Endoscopy
Camera
Recorder etc.

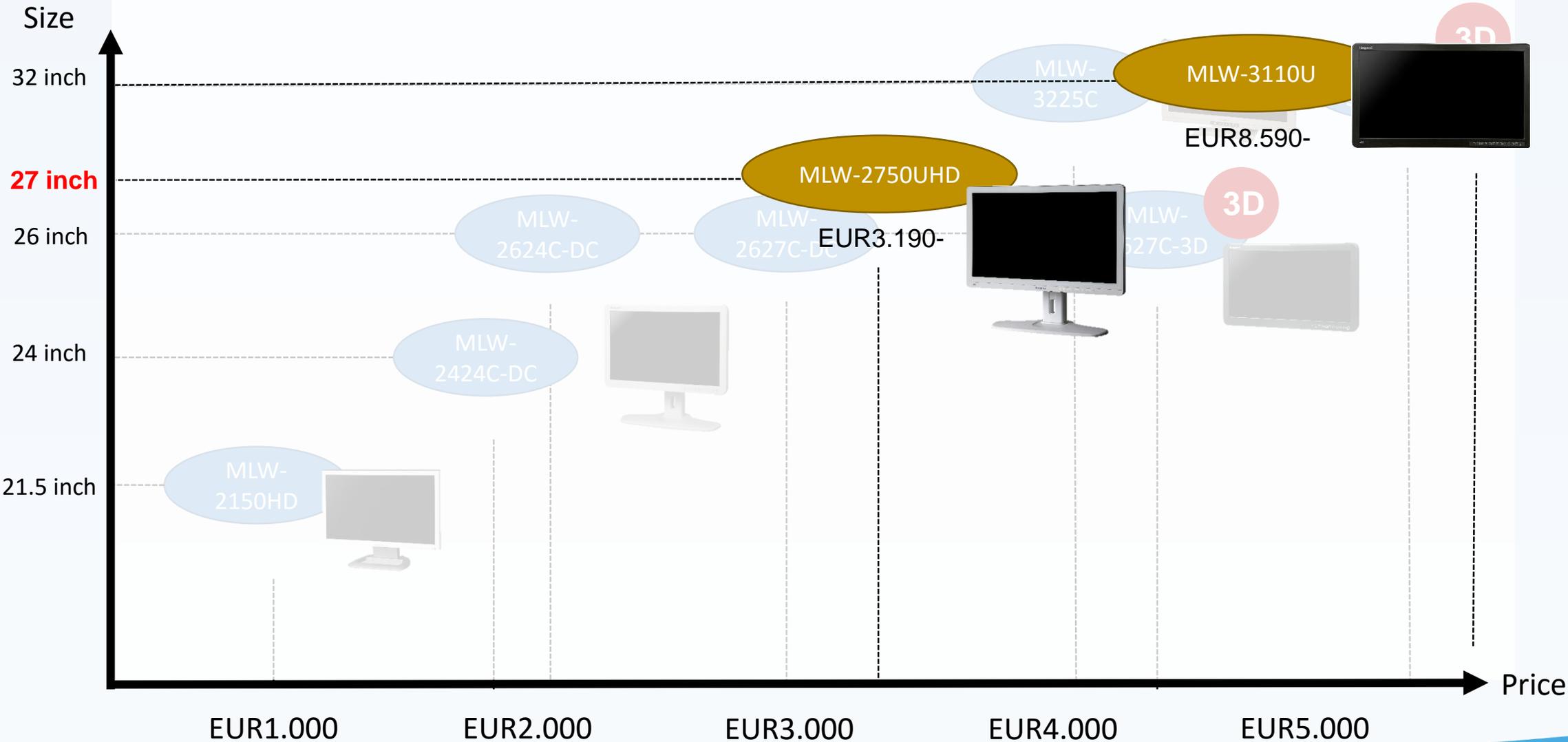
2K
SYSTEM

ADVANCED 2K SYSTEM with MLW-2750UHD

4K
SYSTEM



Our 4K product range



MLW-2750UHD



Comparison chart – 27 inch 4K monitor



Model name	MLW-2750UHD	LMD-X2705MD	MDSC-8427	FS-A2701D	N/A
Panel size	24inch	27inch	27inch	27inch	
Resolution	3840x2160	3840x2160	3840x2190	3840x2190	
Aspect Ratio	16:9	16:9	16:9	16:9	
Dual display	Available	Available	Available	Available	
Brightness	800cd/m²	800cd/m ²	750cd/m ²	800cd/m ²	
Contrast Ratio	1500:1	1000:1	1400:1	1000:1	
Video Engine	10 bit	10 bit	10 bit	?	
Color Space	112% (sRGB)	72% (NTSC)	92%(Adobe)	?	
Color Gradient	1.07 billion	1.07 billion	1.07 billion	1.07 billion	
Price	EUR3.190	EUR3.000-3.500	EUR3.000-3.500	Less than EUR3.000	

How MLW-2750UHD upgrades your 2K system?



OUTSTANDING PICTURE QUALITY
27" IPS 8MP Premium UHD

The MLW-2750UHD adopts a **8MP panel** to achieve an image with four times the resolution of full HD to improve the work efficiency.

Detailed observation of
HARD-TO-SEE regions

Displaying multiple
imaging applications

More efficient operating
environment

The **wide view angle of IPS panel** allows whole crews in the surgery room to view screen more comfortably.



How MLW-2750UHD upgrades your 2K system?

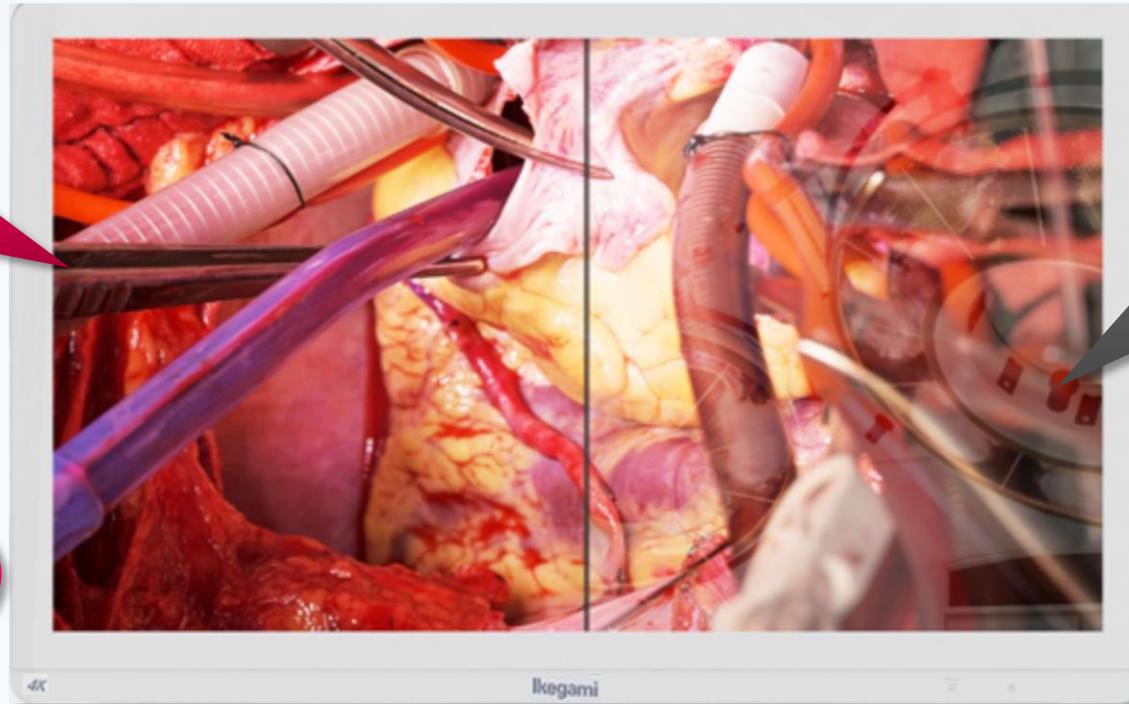


OUTSTANDING PICTURE QUALITY Anti-reflection & Optical Bonding Glass

Optically bonded glass significantly reduces internal reflection between the cover glass and the LCD to enhance accuracy. Improved anti-reflection ability enables displays to look brighter and sharper for the highest image quality.

Clear image without dark or bright spots.

Anti-reflection &
Optical Bonding
Glass



When light from an external source passes through the panel and the gap, refraction can cause it to be reflected back, creating glare on the screen.

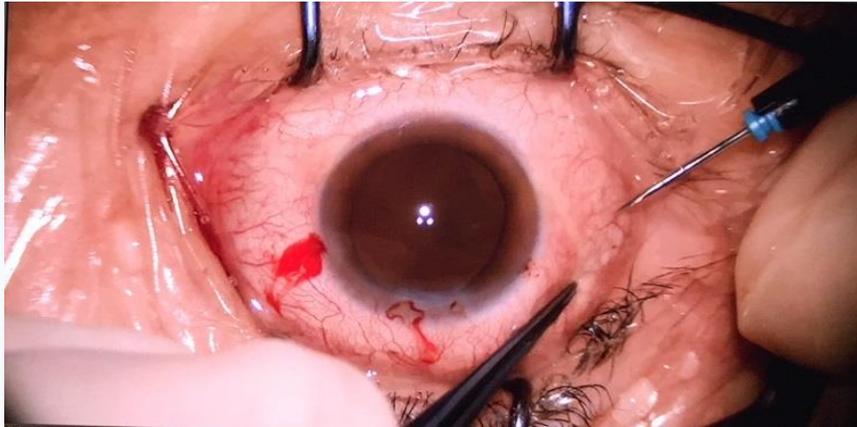
Conventional

How MLW-2750UHD upgrades your 2K system?

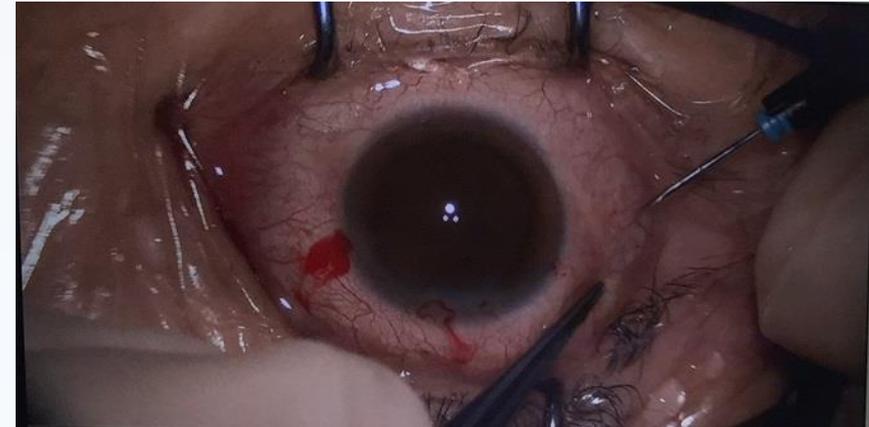


OUTSTANDING PICTURE QUALITY
High brightness IPS panel

The MLW-2750UHD is fitted with an **800cd/m2 high brightness** IPS panel. The IPS display also provides accurate reproduction to achieve smooth image graduation.



MLW-2750UHD
Brightness:
800cd/m2



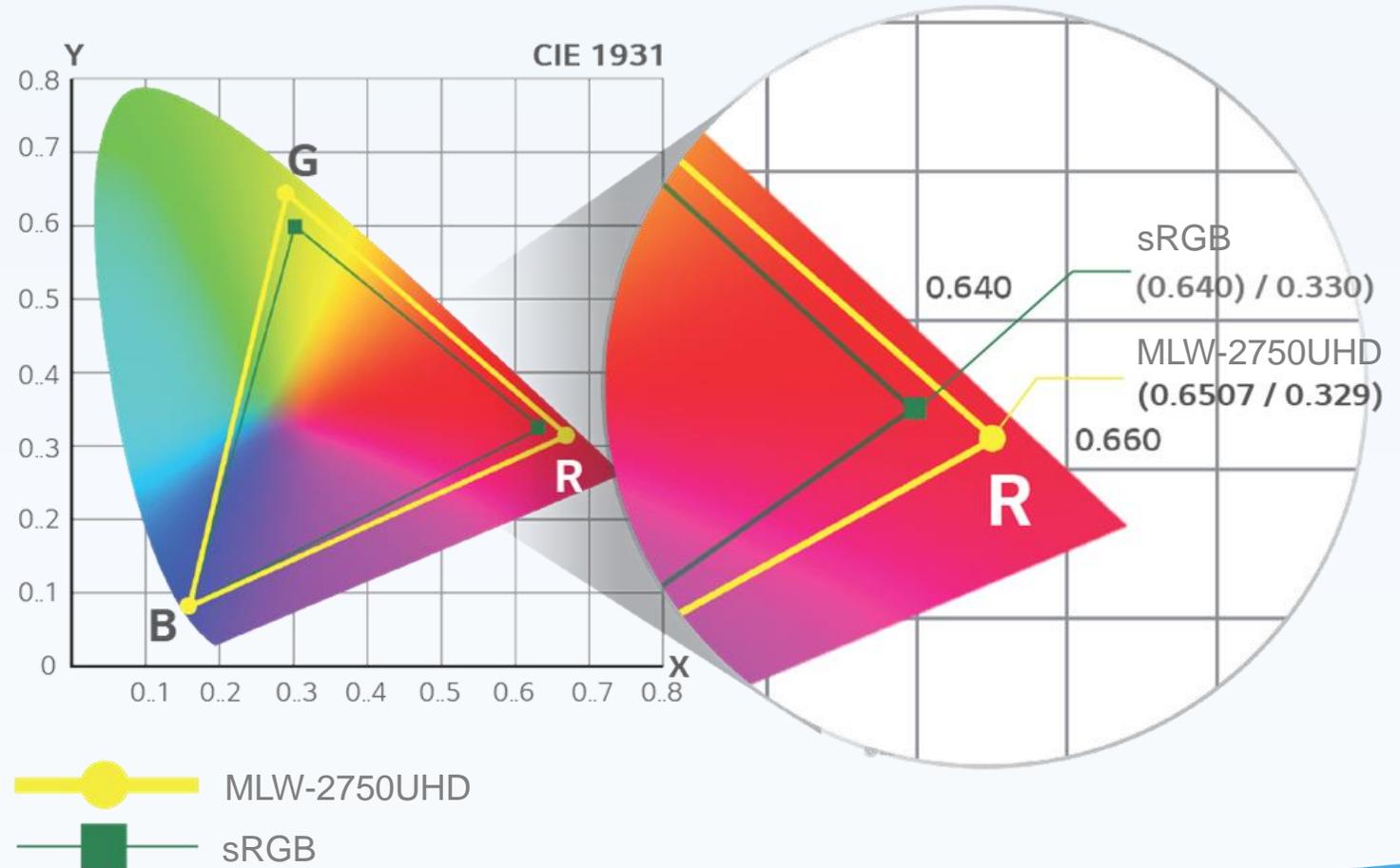
Conventional
Brightness:
450cd/m2

How MLW-2750UHD upgrades your 2K system?



OUTSTANDING PICTURE QUALITY
115% of sRGB Enhancing Deep Red

The MLW-2750UHD covers sRGB 115% which ensures **more accurate color reproduction**. Moreover, by adding deep red color spectrum, **the MLW-2750UHD assures color expression of red spectrum**.



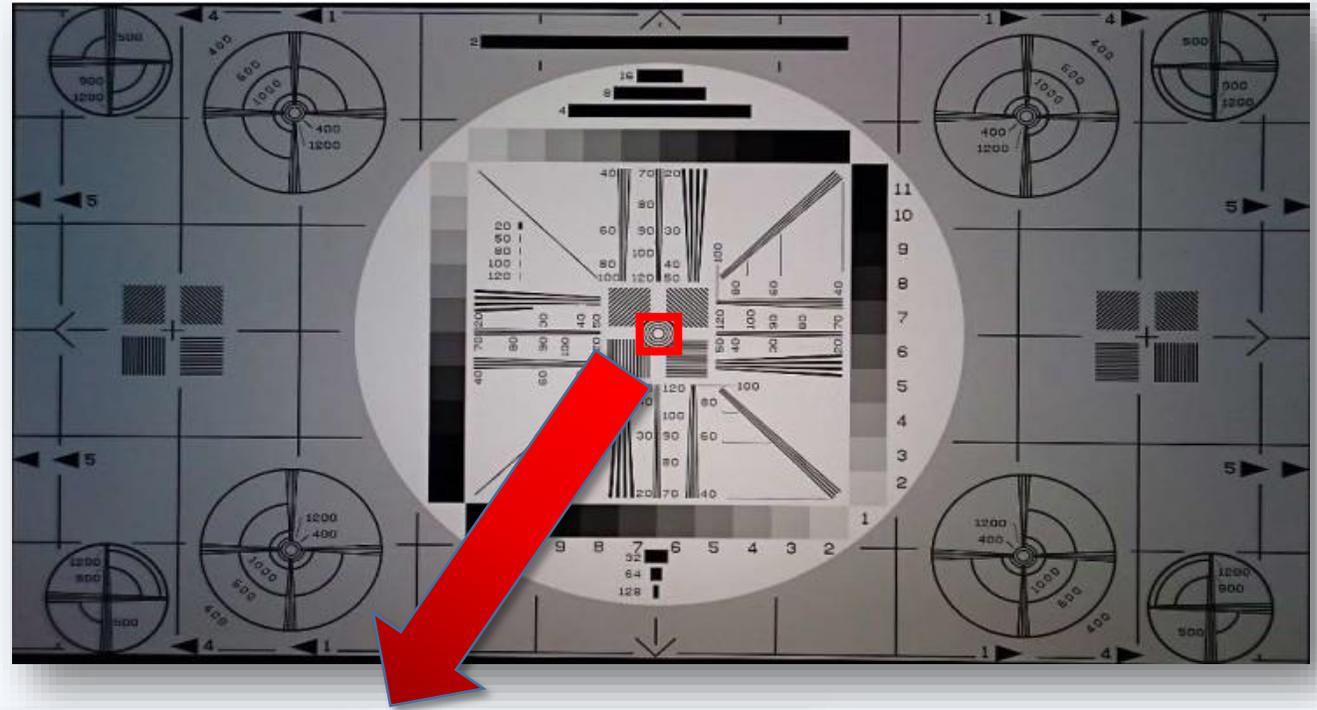
How MLW-2750UHD upgrades your 2K system?



UNIQUE & USEFUL FUNCTIONS

SUPER RESOLUTION

Super resolution processing makes Low resolution or Blurred images clear. **2K images can be easily upgrade with this function.**



SUPER RESOLUTION



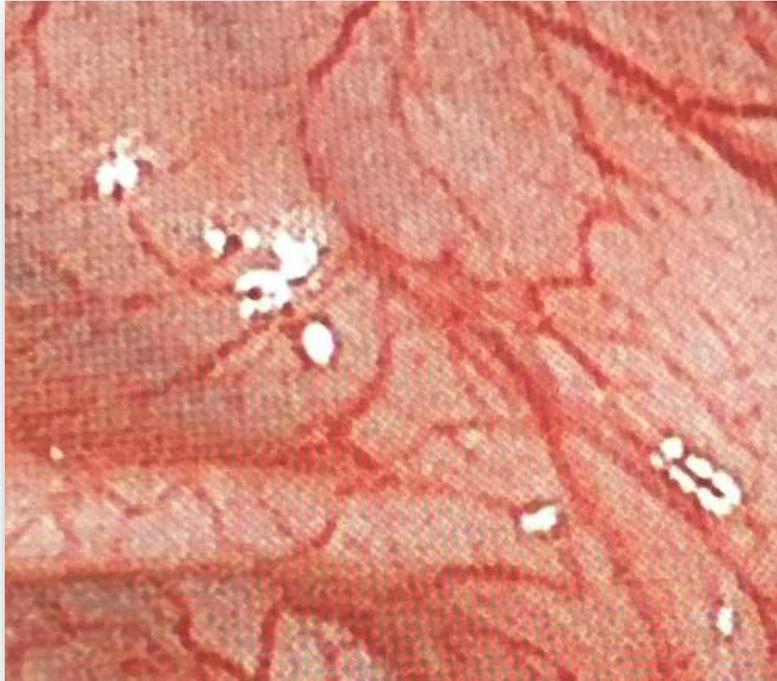
Conventional

How MLW-2750UHD upgrades your 2K system?

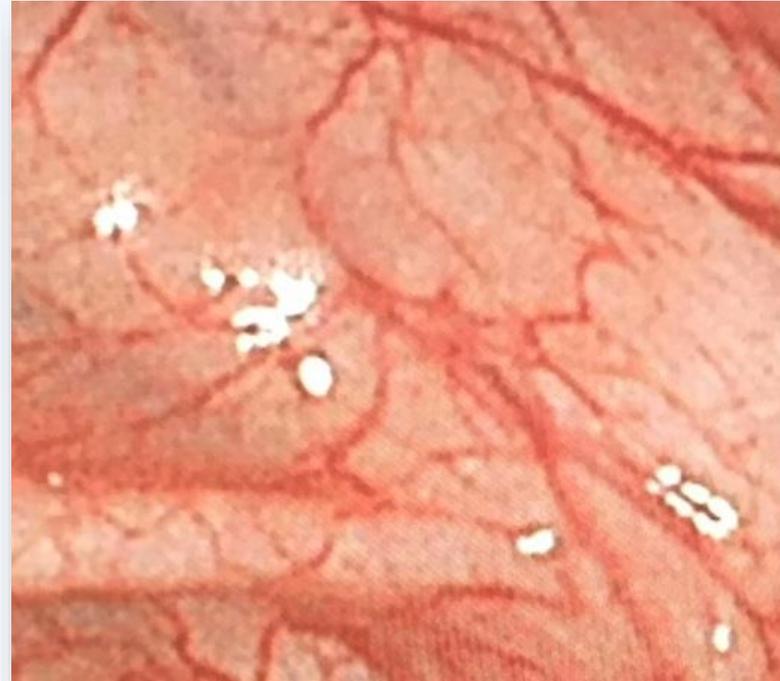


UNIQUE & USEFUL FUNCTIONS

SUPER RESOLUTION



SUPER
RESOLUTION



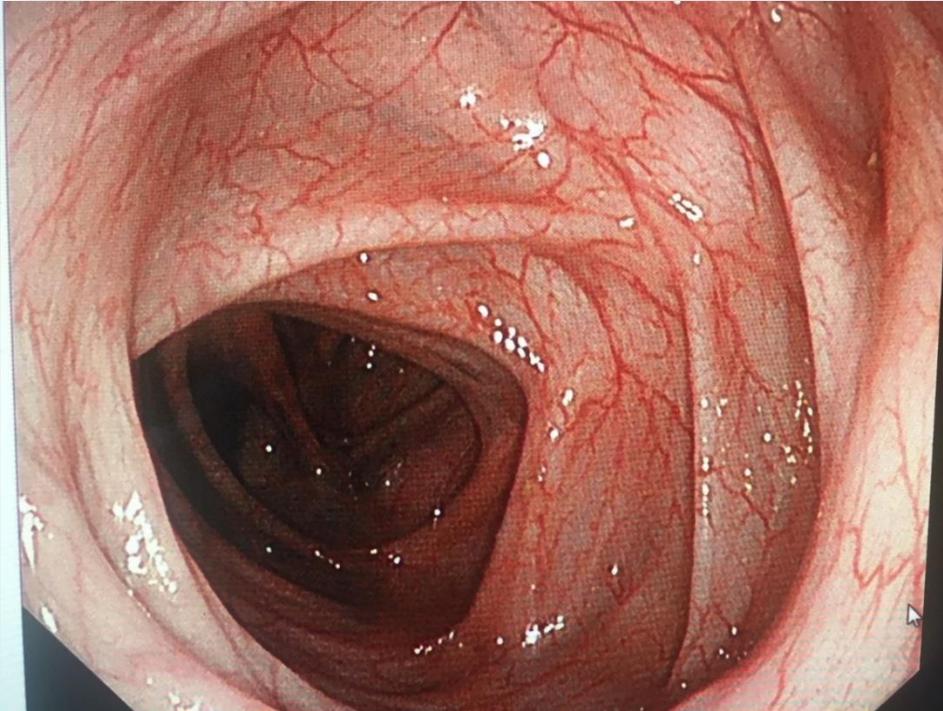
Conventional

How MLW-2750UHD upgrades your 2K system?

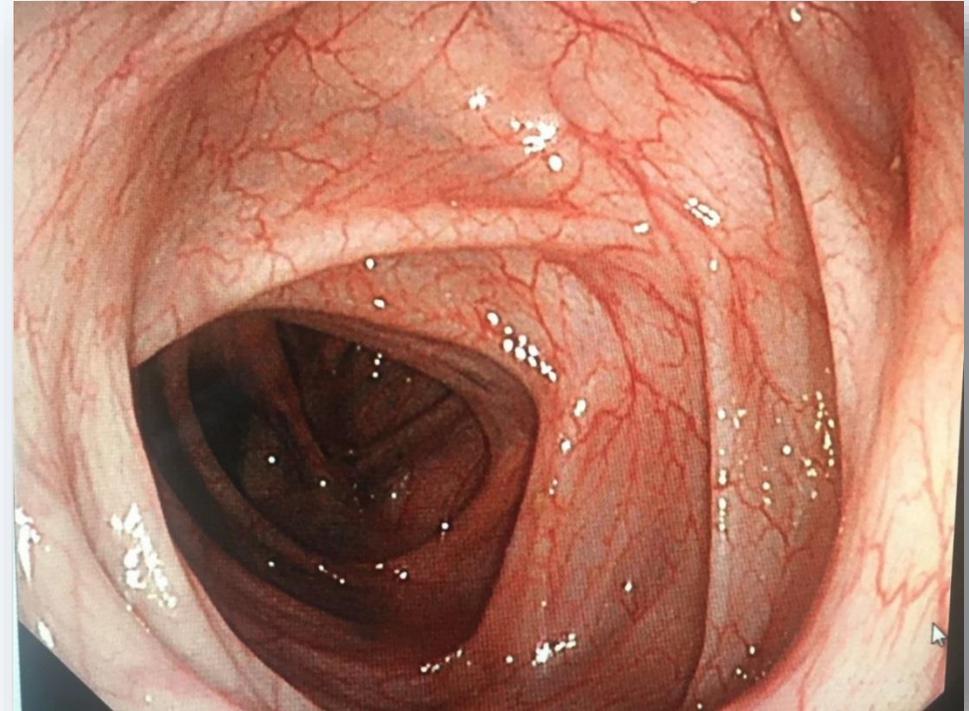


UNIQUE & USEFUL FUNCTIONS

SUPER RESOLUTION



SUPER
RESOLUTION



Conventional

How MLW-2750UHD upgrades your 2K system?

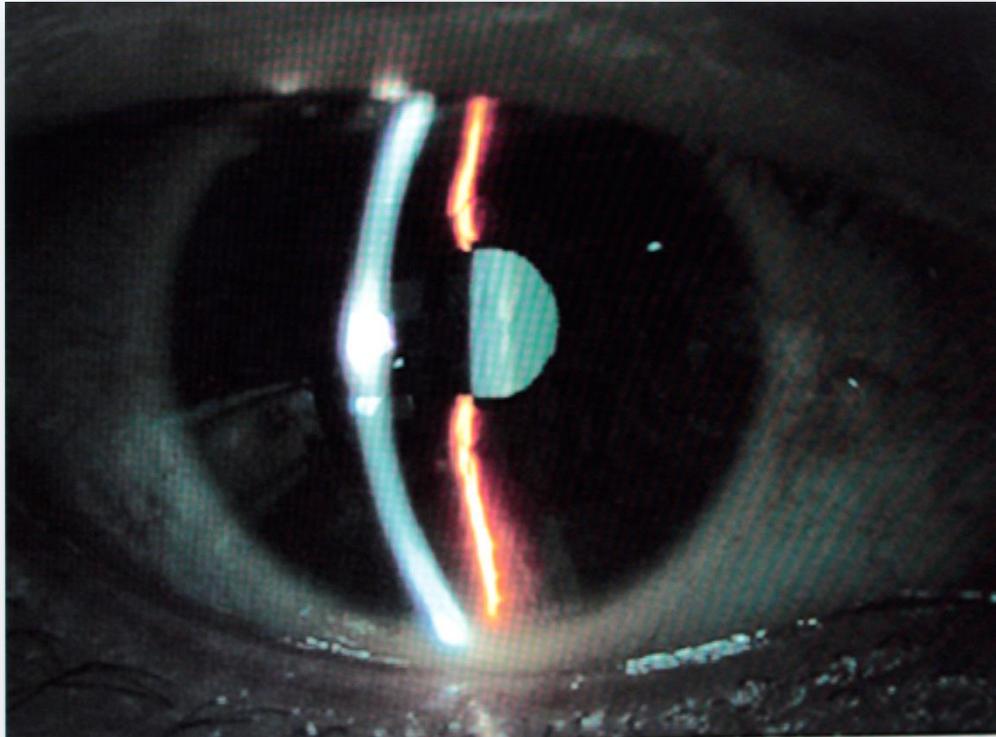


UNIQUE & USEFUL FUNCTIONS

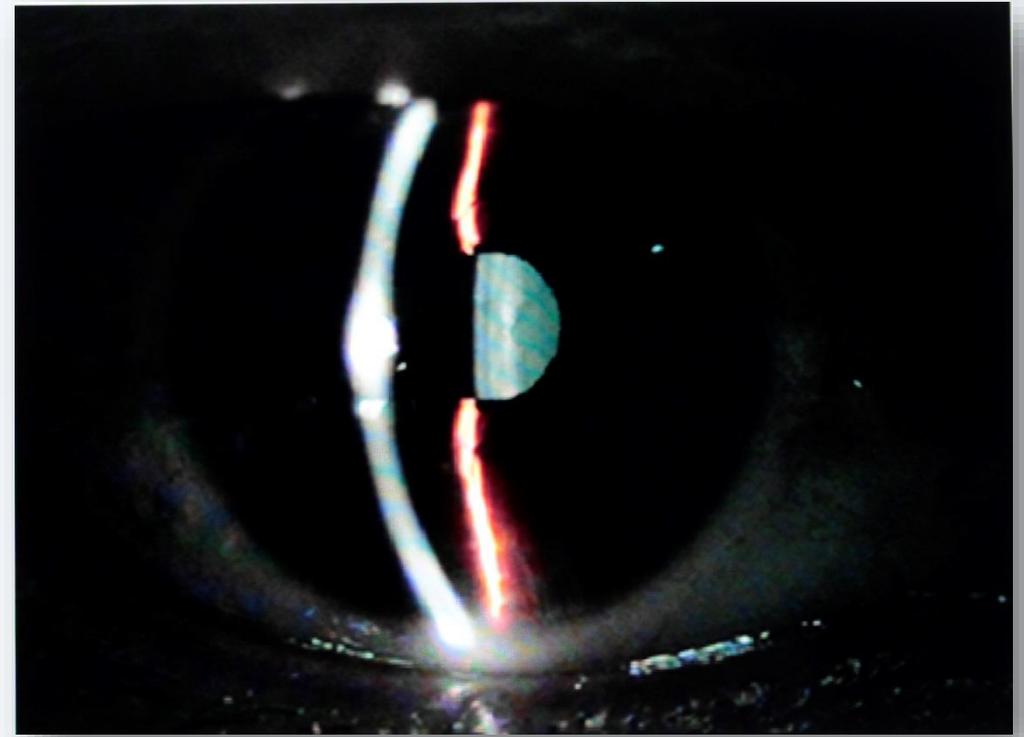
BLACK STABILIZER

Dark images get bright.

You can see what you couldn't see in the darkness.



Black Stabilizer



Conventional

How MLW-2750UHD upgrades your 2K system?



UNIQUE & USEFUL FUNCTIONS

PICTURE ENHANCEMENT

This function delivers **wide dynamic range reproduction** of the video, ensures that high quality display extends both to dark and bright areas of the image.



PICTURE
ENHANCEMENT



Conventional

How MLW-2750UHD upgrades your 2K system?



UNIQUE & USEFUL FUNCTIONS

BRIGHTNESS STABILIZATION

A sensor measures the backlight brightness.

It **automatically compensates for brightness fluctuations** caused by ambient temperature and aging for a consistently stable display.



How MLW-2750UHD upgrades your 2K system?

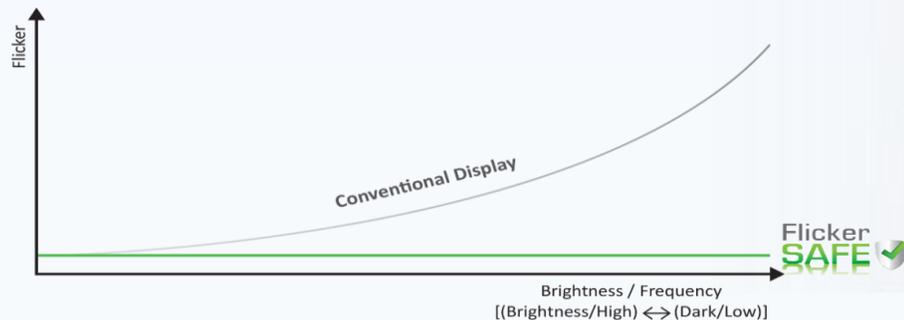


Key Feature
Flicker Safe

Long-lasting Eye-Comfort

As long as doctors are spending long time for clinic, the MLW-2750UHD's Flicker-Safe technology protects doctor's eye from fatigue by reducing flickering to almost zero.

Flicker-Safe helps doctors protect their eyes from exhausting flickers.



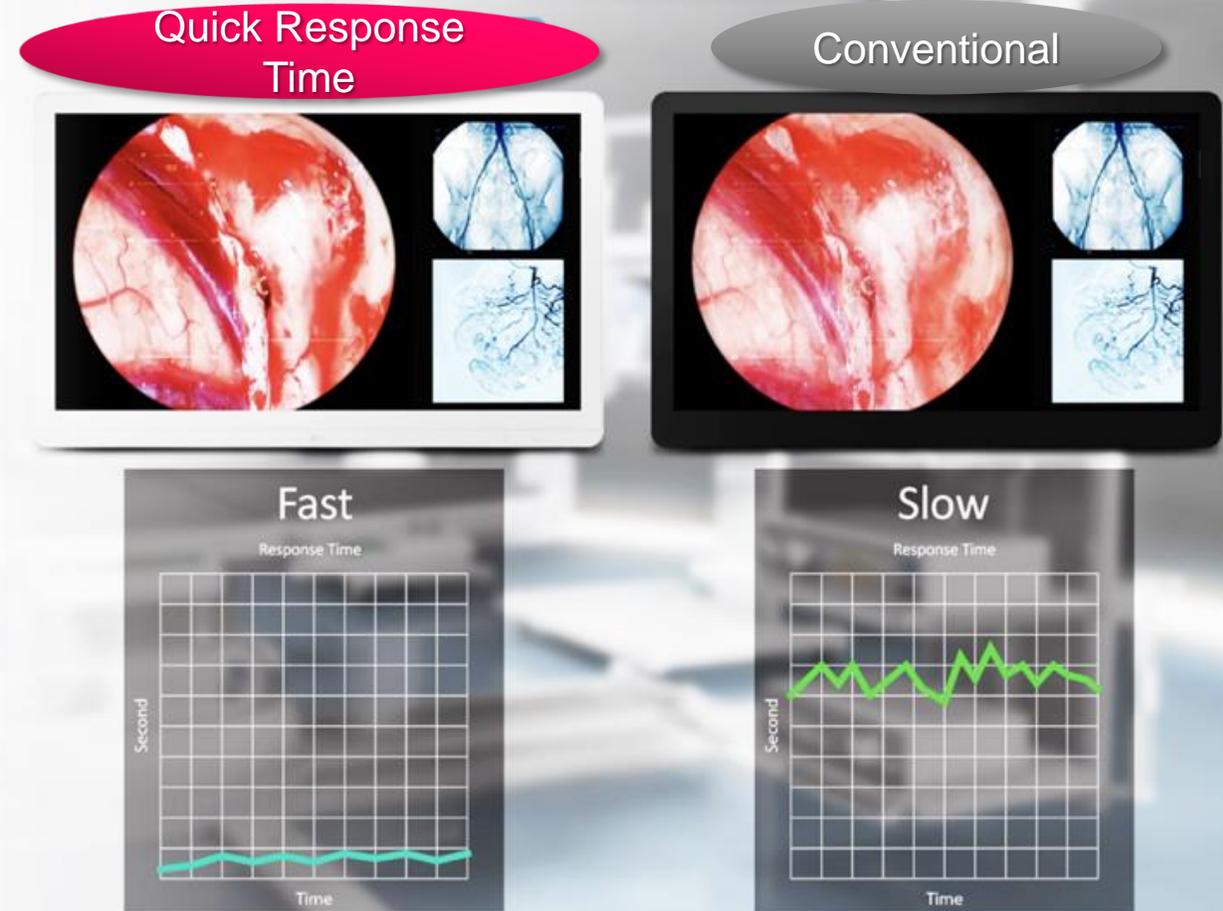
How MLW-2750UHD upgrades your 2K system?



Key Feature
Quick Response Time

Transporting heavy information with fast signal process

The MLW-2750UHD supports quick response time, it makes monitor to display all real-time information clearly **without show blurring behind moving objects as they are move.**



How MLW-2750UHD upgrades your 2K system?



EASY TO USE
Dust & Water Proof

IP 3 5

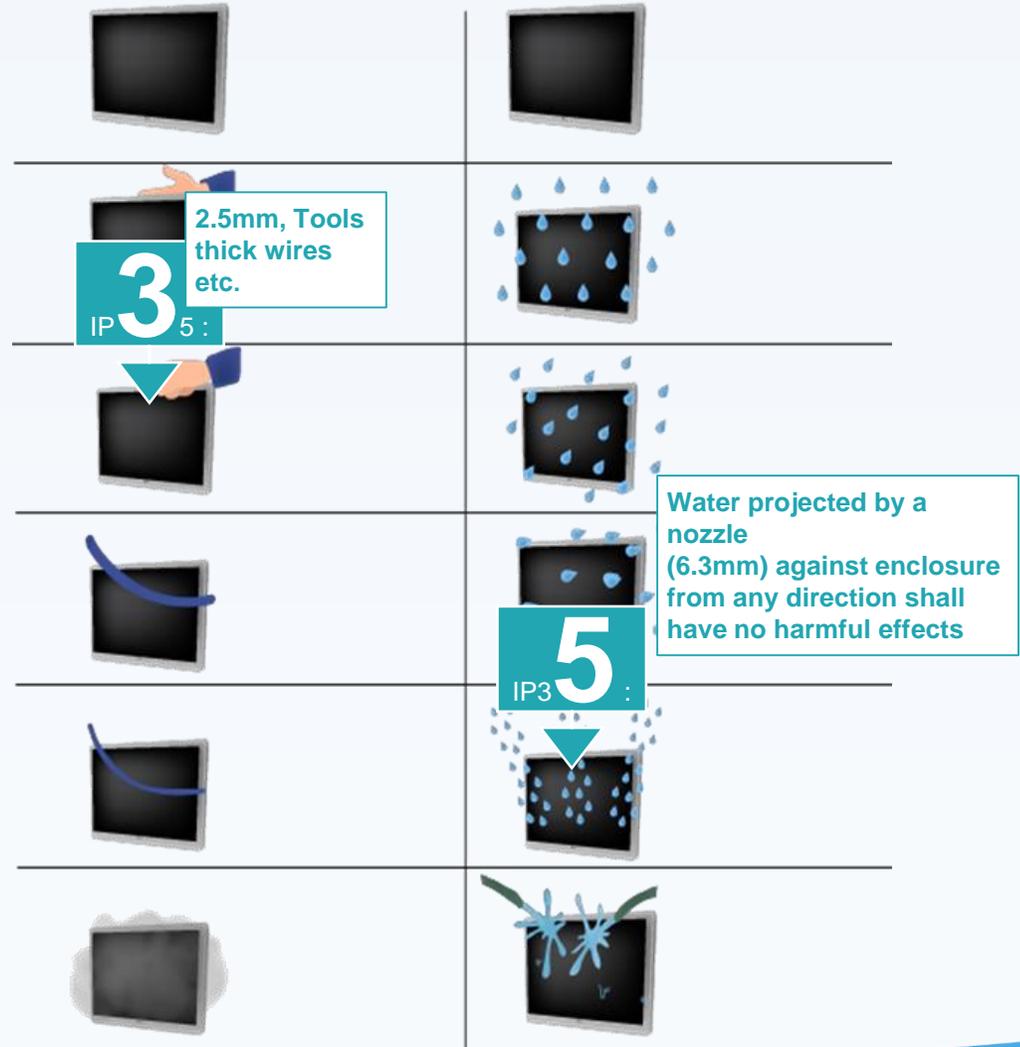
Solids

Second Digit Liquids

The first digit indicates the level of protection that the enclosure provides against access to hazardous parts (e.g electrical conductors, movie parts)

Protection of the equipment inside the enclosure against harmful ingress of water.

Its **IP35** rated (front) and **IP32** rated (back) panels, give protection against dust and water during operations and post-operation cleaning. **Infection control gets easier and also reduces asset management risk.**



MLW-3110U



Comparison chart – 32 inch 4K monitor



Model name	MLW-3110U	LMD-X310MD	MDSC-8427	FS-A2701D	Radiance Ultra 4K 32"
Panel size	31.1inch	31.1inch	31inch	31inch	31inch
Resolution	4096x2160	4096x2160	4096x2160	4096x2160	4096x2160
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
Dual display	Available	Available	Available	Available	Available
Brightness	525cd/m²	700cd/m ²	350cd/m ²	550cd/m ²	650cd/m ²
Contrast Ratio					
Video Engine	10 bit	10 bit	10 bit	10 bit	10 bit
Color Space	sRGB	Adobe RGB	Adobe RGB	Adobe RGB	140%BT709
Color Gradient	1.07 billion	1.07 billion	1.07 billion	1.07 billion	1.07 billion
Price	EUR8.590	USD8.000	USD8.000	USD4.500	USD6.500

Thank you.
ありがとうございました。

