

DR-Series LCD Monitor 17" | 22"



Dental Displays of Exquisite Function and Form

NeoV™
OPTICAL GLASS

METAL
CASING

IEC/EN
60601-1

IP-22

Black Level
Alignment

Gamma

DC 24V

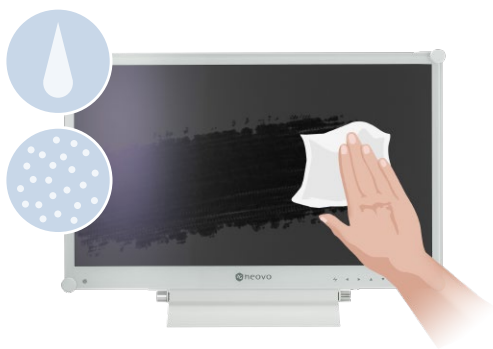
The DR-Series is specially designed for dental settings. Its image optimization capability allows dentists to get across patient diagnosis and treatment data more effectively, and its appealing white exterior and NeoV™ Optical Glass attests to the IEC/EN 60601-1-certified display's excellence in form as well as in function. Attractive, durable and versatile, it meets every need over the course of dental consultation and treatment.





Enhanced Colour Reproduction and Image Clarity

Displays with exceptionally clear images help dentists communicate more effectively with patients. With cutting-edge gamma correction, black-level alignment adjustability, and high contrast ratio, the DR-Series can capture darker details and deliver premium images, thereby enhancing treatment quality.



Features

- LED-backlit technology with 1920 x 1080 and 1280 x 1024 resolutions
- NeoV™ Optical Glass and metal housing for excellent cleanability and protection
- Crisp 20,000,000:1 dynamic contrast ratio
- EN60601-1 and IEC60601-1 medical certification
- Equipotential terminal connector
- White exterior design for easy contaminant detection
- DC 24V medical-grade power adapter allows a longer distance connection
- Illuminator mode for easy X-ray film viewing
- Image Enhancer: 3D Comb Filter / Deinterlace / Noise Reduction / Image Rotation / Freeze
- Front-sided IP22 Compliant (IEC 60529 Standard)
- EcoSmart Sensor automatically adjusts brightness level according to ambient lighting conditions
- Gamma selection and black-level adjustment
- Optional handle for easy movement of display
- VESA mounting for flexible installation in healthcare settings

Versatility and Adaptability

The DR-Series is adaptable to fit every conceivable dental environment. Besides being mounted on the VESA mounting stand, the display can be installed with a VESA stand, on the dentist's desk or mounted on a rotatable arm with handles for easy movement. Multiple connectivity options, including HDMI and DisplayPort, are provided for connecting to different types of devices and showing video content.

Easy to Clean and Reliable Design

The anti-acid and anti-alkali coating treatment of NeoV™ Optical Glass ensures that the DR-Series withstand cleaning and disinfection. Bolstered by the metal casing and equipped with DC 24V medical-grade power supply, the DR-Series is durable, safe and reliable.

Specifications

DR-17E

DR-22E

Panel

Panel Type	LED-Backlit TFT LCD (TN Technology)	LED-Backlit TFT LCD (VA Technology)
Panel Size	17.0"	21.5"
Max. Resolution	SXGA 1280 x 1024	FHD 1920 x 1080
Pixel Pitch	0.264 mm	0.248 mm
Brightness	250 cd/m²	250 cd/m²
Contrast Ratio	20,000,000:1 (DCR)	20,000,000:1 (DCR)
Viewing Angle (H/V)	170°/160°	178°/178°
Display Colour	16.7M	16.7M
Response Time	3 ms	5 ms

Frequency

Frequency (H)	24 kHz-81 kHz	24 kHz-83 kHz
Frequency (V)	50 Hz-75 Hz	50 Hz-75 Hz

Signal Input

DisplayPort	x 1	x 1
HDMI	1.4 x 1	1.4 x 1
DVI	24-Pin DVI-D	24-Pin DVI-D
VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1
Composite	BNC x 2	BNC x 2
S-Video	4-Pin mini DIN x 1	4-Pin mini DIN x 1

Signal Output

Composite	BNC x 2	BNC x 2
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External Control

RS232 In	2.5 mm Phone Jack	2.5 mm Phone Jack
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Other Connectivity

USB	2.0 x 1 (Service Port)	2.0 x 1 (Service Port)
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Audio

Audio In	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)
Audio Out	Stereo Audio Jack (RCA)	Stereo Audio Jack (RCA)
Internal Speakers	2W x 2	2W x 2

Power

Power Supply	External	External
Power Requirements	DC 24V, 1A	DC 24V, 1.5A
On Mode	14W (On)	15W (On)
Stand-by Mode	< 0.7W	< 0.7W
Off Mode	< 0.7W	< 0.7W

Glass

Thickness	3.0 mm (0.12")	3.0 mm (0.12")
Reflection Rate	< 1%	< 1%
Transmission Rate	> 97%	> 97%
Hardness	> 9H	> 9H

Operating Conditions

Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)
Humidity	10%-90% (non-condensing)	10%-90% (non-condensing)

Storage Conditions

Temperature	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)
Humidity	5%-95% (non-condensing)	5%-95% (non-condensing)

Mounting

VESA FPMPI	Yes (100 x 100 mm & 75 x 75 mm)	Yes (100 x 100 mm & 75 x 75 mm)
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Stand

Tilt	0° to 22°	0° to 15°
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Security

Kensington Security Slot	Yes	Yes
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Dimensions

Product with Base (W x H x D)	409.4 x 398.2 x 175.0 mm (16.1" x 15.7" x 6.9")	513.2 x 368.5 x 155.0 mm (20.2" x 14.5" x 6.1")
Product w/o Base (W x H x D)	409.4 x 361.9 x 64.5 mm (16.1" x 15.7" x 2.5")	513.2 x 324.3 x 56.2 mm (20.2" x 12.8" x 2.2")
Packaging (W x H x D)	510.0 x 493.0 x 224.0 mm (20.0" x 19.4" x 8.8")	615.0 x 483.0 x 210.0 mm (24.2" x 19.1" x 8.3")

Weight

Product w/o Base	5.3 kg (11.7 lb)	6.2 kg (13.6 lb)
Product with Base	6.1 kg (13.4 lb)	6.8 kg (15.0 lb)
Packaging	8.2 kg (18.1 lb)	9.3 kg (20.5 lb)

Regulation Approval

Certifications & Compliance	FCC, BSMI, CE, IEC / EN 60601-1, EN 60601-1-2, MDD, RoHS, WEEE, REACH, EAC	FCC, BSMI, CE, IEC / EN 60601-1, EN 60601-1-2, MDD, RoHS, WEEE, REACH, EAC
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Accessories

Supplied	Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card	Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card
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Optional Accessories

Ceiling Mount (Landscape only)	CMP-01+WMK-03	CMP-01+WMK-03
Wall Mount (Landscape only)	WMA-01, WMK-01, WMK-03, PMK-01	WMA-01, WMK-01, WMK-03, PMK-01
Desk mount (Landscape only)	DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02	DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02
Handle	HDL-01	HDL-02