

# CAWO Digital Imaging Plates DIGIT CN



long lifetime and  
excellent image quality



# Solutions

## TECHNICAL DATA

### Standard sizes

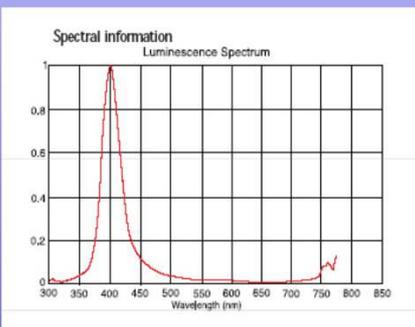
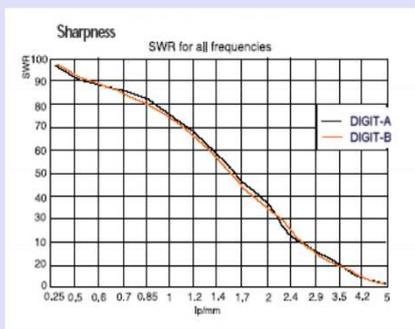
18 x 24 cm, 18 x 43 cm, 20 x 40 cm,  
24 x 30 cm, 35 x 35 cm (14 x 14"),  
35 x 43 cm (14 x 17"), 15 x 30 cm,  
8 x 10", 10 x 12"

Further formats and special designs are available on request.

### Phosphor composition

BaSrFBr:Eu

Typical luminescence 400 nm



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## Digital Imaging Plates CAWO DIGIT CN

CAWO DIGIT CN imaging plates are designed for radiographic images, medical and / or non-medical.

### Excellent image quality

The homogeneity of the specially designed, fine-grain-phosphor is outstanding. The response time is extreme short and the previous pixel is completely faded before the next one is stimulated. As a result, a high level of sharpness at all spatial frequencies is achieved and optimum Signal-to-Noise-Ratio (SNR) is attained.

In addition to outstanding homogeneous high absorption efficiency is also a feature of this storage phosphor.

The special design of CAWO DIGIT CN imaging plates enables the visualization of the finest details / structures.

### Image retention

Two hours after exposure 70 % of the stored energy is still present with no visible loss of information upon readout. Image retention still exceeds 45 % after 24 hours. Readout is recommended within 1 hour after exposure.

### Long lifetime

CAWO DIGIT CN imaging plates are protected by an electron-beam-cured (EBC) top coat. This results in plates with superb resistance to mechanical wear and almost complete immunity to chemical cleaning solutions. A new adhesive layer is an additional improvement for the imaging plate's stability, guaranteeing superior durability. In addition a special border-sealing protects the storage phosphor. Expected lifetime under recommended storage and handling conditions is 7 years.

### Reduces the amount of retakes and the dose needed for diagnosis

The storage phosphors on the CR plate have an extremely wide dynamic range. This results in high tolerance for varying exposure conditions and a greater degree of flexibility in selecting the patient dose level.

Furthermore, in many cases the wide exposure latitude of the CAWO DIGIT imaging plates allows the visualization of all diagnostic information with a single exposure - e.g. bone and soft tissue. Both of these features have the effect of drastically reducing the dose needed for diagnosis.

### Cleaning and maintenance

Regularly cleaning with  
**CAWO Imaging Plate Cleaner** is  
Recommended.



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