

Photographic and Cine Lenses

The sophisticated **DigiPrime®** cine lenses with focal lengths of 5 mm, 7 mm, 10 mm, 14 mm, 20 mm and 40 mm are truly top performers. Their optical design is practically diffraction-limited, i.e. free of aberrations, even at the very wide aperture of f/1.5. The resolution provided at the initial aperture of f/1.5 exceeds 400 line pairs per millimeter by far.

DigiPrime® cine lenses from Carl Zeiss – high-speed, practically diffraction-limited lenses for 2/3" HD cine cameras providing extremely high performance



With its field angle of 103°, the 12 mm **Distagon® T* f/1.9** cine lens for the Super 35 format closes the gap between the 10 mm **Distagon® T* f/2** lens and the 14 mm **Distagon® T* f/1.7** lens (92°). The lens consists of 15 elements in 12 groups and achieves impressive optical quality. The resolving power exceeds 250 line pairs per millimeter. The chromatic difference of magnification has been particularly well corrected by the use of glass material with anomalous partial dispersion. Distortion has also been well corrected. "Breathing", the visible change in the field angle or the magnification during focusing, has been reduced to a practically unnoticeable level.

In response to requests from cameramen, the 180 mm **Sonnar® T* f/1.8** lens from the line of **ULTRA PRIME** has been designed in such a way that it allows them to compress the third dimension and to use an extremely shallow depth of field in feature films and commercials. It is now possible to shoot scenes with superb quality in the Super 35 format. Several of the 9 elements in 7 groups have been made using special glass with anomalous partial dispersion. The lens provides outstanding optical quality with excellent correction of chromatic aberration. When the UP 180 is stopped down by 2 stops, its image quality is enhanced to an amazing level. Scattered light is minimized through the use of newly developed light absorption procedures and the **Carl Zeiss T*** multilayer coating. Distortion is also minimal.



Three new CFE lenses from Carl Zeiss for the Hasselblad 6 x 6 medium-format camera system

The new 7-element 55 mm **Distagon® T* f/3.5** lens is a moderate wide-angle lens for the medium-format **Contax® 645** autofocus system which provides field angles similar to those obtained with the 35 mm focal length of **Contax® 35** mm cameras. This compact and lightweight lens delivers excellent image quality across the entire image field, from the initial aperture to small f-stops. The lens can be stopped down to f/32, providing excellent depth of field. Distortion is kept within narrow limits, a particular strength of the retro-focus wide-angle lenses from Carl Zeiss. These qualities make the 55 mm **Distagon® T* f/3.5** lens the ideal lens for press photography using the **Contax® 645**. Experienced photographers will use this lens for taking pictures of interiors.

The new 55 mm **Distagon® T f/3.5** lens is a compact, lightweight multipurpose wide-angle lens in the **Contax® 645** system



Hasselblad has launched three new CFE lenses for its 6 x 6 medium-format camera system: the 120 mm **Makro-Planar® T* f/4** CFE, the 180 mm **Sonnar® T* f/4** CFE and the Zeiss 250 mm **Superachromat® f/5.6** CFE. **CFE lenses** for the Hasselblad system contain a fully mechanical all-metal between-lens shutter, aperture simulation electronics and data bus connections which are used by the bodies of the Hasselblad cameras with TTL metering for data interchange between the lens and the camera body. These camera bodies include the Hasselblad 202 FA, 203 FE and 205 FCC models. One field of application in particular will benefit from this: macrophotography. With the new 120 mm **Makro-Planar® T* f/4** CFE lens, exposure compensation which may become necessary because of the long lens extension will be precisely measured by the TTL metering system of the camera and automatically taken into account.