



KEMscreen (for KEM) and STEvolution (for Steenbeck) are upgradable digital imaging systems for analog film editing tables with modern, digital picture and sound output.

KEM screen



This system replaces the bulky and inferior picture-modules of analog editing tables with a modern digital technique using flat screen displays and active speakers. They enable digital ad-hoc recordings while viewing archival stock of both, picture and sound, in a single step.



With this retrofit-set you can make ad-hoc recordings in a modern HD-video-format very cost efficiently. The recordings include the embedded sync-sound whichever sound-format your table provides (e.g. SEPMAG or COMMAG). The core-system can be changed in between your tables.



The new, patented imaging system KEMcore (p) comes to you from KEM. It provides a dynamic range that is superior to the original picture-module. Here the highlights are reduced by an optical low-pass filter and scaled into the dynamic range of the digital cinema camera (13 stop). This way the information in the highlights of your film material is saved.



At the moment the new system is available for editing tables of KEM (KEMscreen) and Steenbeck (STEvolution).

Back to the Future of Archiving

KEM STUDIOTECHNIK

Key Features: ^(opt) = optional

- Video display flat screen (any size)
- Video & Audio recording
- KEM & Steenbeck tables
- 35mm / 16mm
- SEPMAG COMMAG
- SEPOPT COMOPT
- HD - UHD ready (up to camera)
- KEMcore^(P) image processing unit
- Breackout box with complete connectivity
- Camera remote control^(opt)
- Look-Up-Table (LUT)^(opt)
- Synchronized LED Light Source ^(opt)



KEM screen



Technical Details:

Video-table interface:	HDMI - Type A PureLink /SDI-adapter
Frame rate:	1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
Dynamic range recording:	1: 8000 (13 stops)
Recording formats:	CinemaDNG RAW (520 Mbs)
Recording formats at 30fps:	ProRes 422 HQ (220Mbs) 422 LT (100Mbs)
SD-recording format:	SDXC, SDHC
Image output signal:	YCbCr - 1920 x 1080 embedded Audio
Audio output table:	Low voltage cinch 3,5mm analogue
Embedded Audio:	2 channels, 48 kHz, 24-bit
Film image formats:	N16, S16 up to 35mm OpenGate
LED light source:	monochrome, color temp. approx. 5600°K
Focus assistance for KEMcore ^(P)	Laser
Power-supply:	AC 110/240 V at 60/50 Hz
Static dissipation:	100% antistatic
Weight KEMcore ^(P) only:	approx. 11lbs (5kg)
Dimensions KEMcore (d*h*w):	0'3.9" x 1'3.75" x 0'5.9" (100 x 400 x 150mm)
Surround conditions:	Temp: 59 - 104°F (15 to 40 °C) 35% - 65% normal humidity

Distributed by:



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(P) = is patent pending DE 10 2016 104 420.2
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