



Motorized X-ray viewers with film-frame lifting system and mobile film magazine.

For efficient film reading and display of 104 radiographs sized 35 x 43 cm.

SELECTOLUX SM

SELECTOLUX SM-4-J with Automatic-Format Collimation (AFC), Joystick and VideoLUX

PLANILUX®



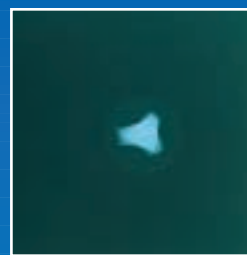
The new SELECTOLUX SM generation represents an efficient, dependable and user friendly film frame lifting system for both reading and demonstration of X-ray films in radiological departments. Rapid access to the radiographs and the possibility of combining frame pairs at will are considered the main merits of this system.

The viewers offer ample leg room and excellent seating comfort. Thus they provide ideal ergonomic workstations for the radiologist. Transport of film frames and magazine is prac-

tically noise-free. The flicker-free high-frequency lighting ensures film-reading without eyestrain, even over an extended period of time.

For glare-free film reading we offer the SM-J and SM-4-J models which feature 4 motorized shutters, automatic format collimation (AFC) and joystick. They fully satisfy the requirements of the German Industrial Standard DIN 6856 of October 1995.

Just compare the images on the side and you will see the difference.
















Without collimation and with medium luminance.



With collimation and accurately matched luminance.

Format collimation combined with luminous density control dramatically improve the recognition of details.

-  Motorized film-frame lifting and electronic positioning
-  Mobile changing magazine with 26 aluminium film frames
-  Capacity e.g. 104 films of the 35 x 43 cm format
-  Double- frame and/or single- frame operation
-  Frames can be combined to form frame pairs at will
-  Film frames with acrylic clear glass pane, film holders at the top and bottom as well as 3 adjustable film-retaining threads
-  2 viewing sections of 145x46 cm each, to be switched separately and controlled jointly
-  Flicker-free high-frequency light (28 - 45 kHz)
-  Homogeneous illumination in compliance with DIN 6856
-  Daylight fluorescent lamps, approx 6500° Kelvin
-  Variable electronic brightness control, control range of about 80%
-  Control unit with touch keys in the strip at the lower edge of the viewing area
-  Additional twin foot switch for frame transport

Automatic format collimation (AFC) and joystick

Frequently used formats can be very easily programmed, stored and, if required, called up again by the operator.

While maintaining the selected collimation, the collimated format can be moved with the joystick over the entire viewing area from radiograph to radiograph.

This new shutter control makes for substantially improved efficiency, while saving time and money simultaneously.

Each of the 4 shutters can also be moved individually.

The following models are available for delivery:

SELECTOLUX SM

with 2 viewing areas to be switched separately and controlled jointly.

SELECTOLUX SM-8

with 2 viewing areas, each indirectly subdivided into 4 separately switched sections, all 8 sections can be controlled jointly.

SELECTOLUX SM-J-AFC

like model SM, except for the lower viewing area which is provided with 4 motorized shutters, automatic format collimation (AFC) and joystick, in line with DIN 6856.

SELECTOLUX SM-4-J-AFC

like model SM-J AFC, but the upper viewing area is additionally subdivided into 4 fields for separate switching, in line with DIN 6856.



The 2 sockets in the viewer front are standard. If SELECTOLUX SM is left unattended for more than 60 minutes, the viewing area lights are switched off automatically. Even in the case of a disturbance or power breakdown, the magazine or a frame can be easily lifted out of the machine by the user. Access to the radiographs is possible at any time.

Installation and servicing

Installing the SELECTOLUX SM is very simple, as only a few operations are required to get the unit functioning. In order to fit the viewer through a door for installation, the door opening must measure at least 83 x 193 cm (W x H). Table top is removable for installation. For connection to a 220 - 240 V, 50 Hz power line, the viewer is delivered with a three-core cable of roughly 2 m length with plug (on request country-specific plugs are also available. Please specify).



Control board for models SM-J AFC and SM-4-J AFC

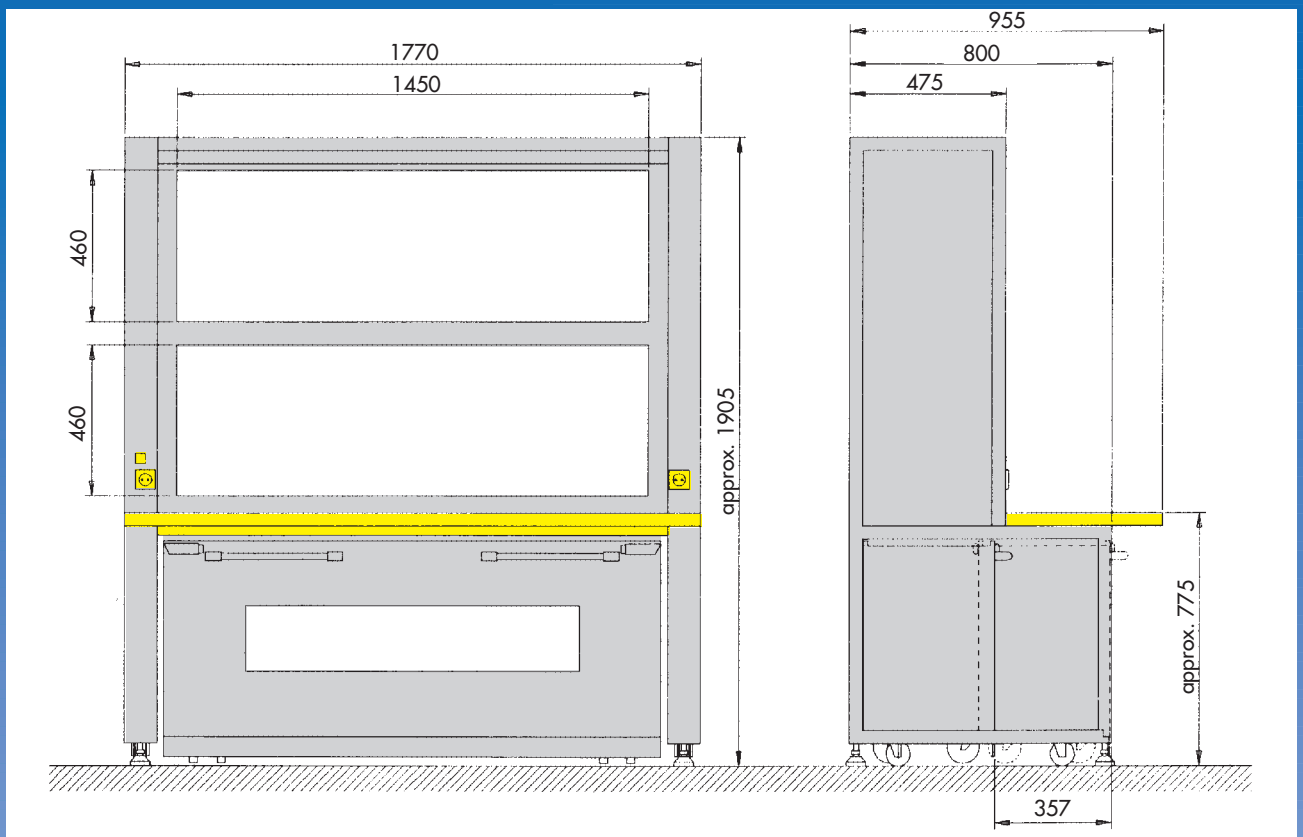
Technical specifications	Models available for delivery			
	SM	SM-8	SM-J-AFC	SM-4-J AFC
Time required for successive frame pairs	approx. 11 seconds			
Time required for successive single frames	approx. 5 seconds			
Time required from the first to the last frame pair	approx. 14 seconds			
Number and wattage of fluorescent lamps	8 x 58 W	16 x 32 W	8 x 58 W	8 x 32 W top 4 x 58 W bottom
Max. luminous density approx. ¹⁾	4800 cd/m ²	3800 cd/m ²	3800 cd/m ² top 4800 cd/m ² bottom	3800 cd/m ² top 4800 cd/m ² bottom
Shutter speed	not applicable	not applicable	0.3 m/sec right/left 0.2 m/sec top/bottom	
Max. power input approx.	480 W	540 W	650 W	680 W
Max. current input approx.	3.3 A	3.6 A	4 A	4.3 A
Power line connection	220 - 240 V, 50 Hz, or 120 V, 60 Hz,			
Net weight approx.	450 kg	455 kg	485 kg	490 kg
Gross shipping weight approx.	600 kg	605 kg	635 kg	640 kg
Film reading in compliance with DIN 6856	no	no	yes	yes
Order No.	121261	121265	121269	121273

¹⁾ The luminous density quoted in cd/m² takes into consideration a loss of roughly 10% of the max. value.

Special accessories

Description	Order No.
Mobile additional magazine with 26 film frames, fitting all models mentioned above	121204
VideolUX camera system for magnified transmission and demonstration of radiographs on a monitor (see leaflet VideolUX with accessories)	310001
Magnifying glass, movable over the entire width of the viewing area, adjustable in height, with extremely sharp biconvex lens of optical glass, 120 mm Ø, twofold magnification	403092

Dimensions



Color: RAL 9002 (grey-white), structured powder-coated finish

The film viewers comply with the EEC Directive 93/42.

Delivery through qualified and authorized dealers only.

Designs subject to alterations without prior notice.

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PLANILUX®

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