

Image Intensifier /
Television System
VISTALUX 7S2-CCD

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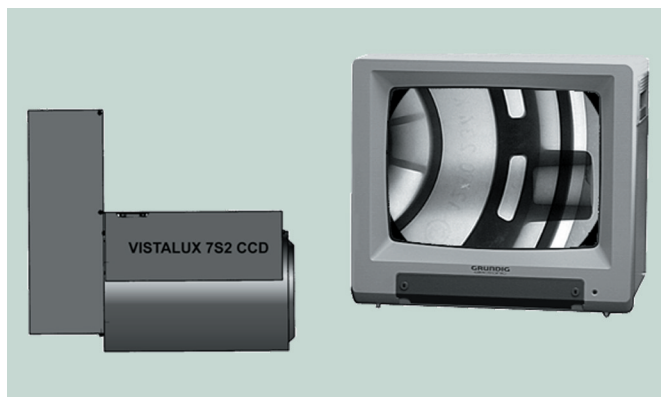


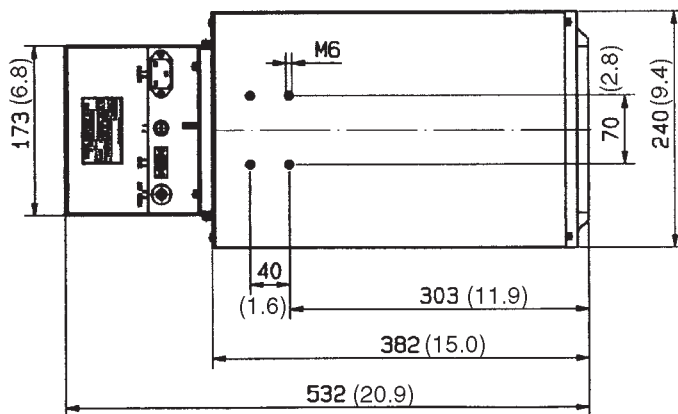
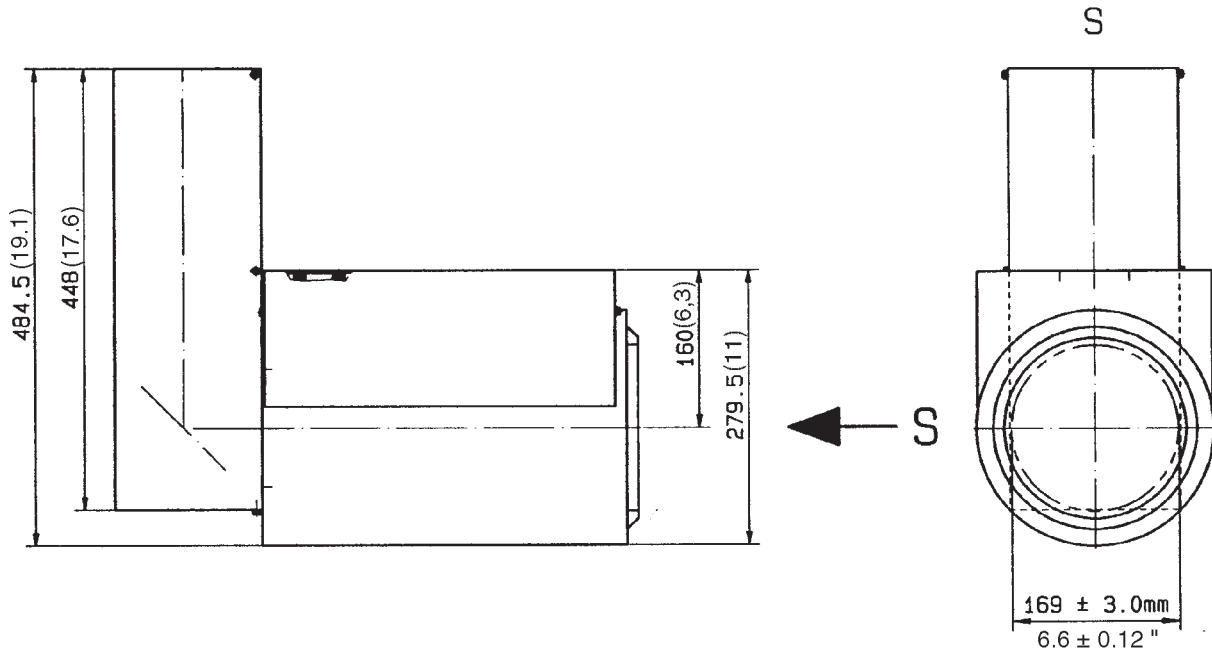
Image Intensifier / Television System VISTALUX 7S2-CCD

General

The image intensifier television system VISTALUX is used as converter of X-rays into a standard video image. The conversion of the optical image at the output screen of the image intensifier into a video image is accomplished by a CCD camera. The radioscopic image is then displayed on a (b/w) television monitor. The high technical standard of the monitor series BG 644 guarantees a reliable continuous operation even in case of toughest application circumstances.

Futures

- **Image Intensifier**
 - High detail resolution
 - Large image contrast
 - High radiation sensitivity
 - Low inherent filtration
 - Long life and high stability
 - Mechanically insensitive due to all-metal ceramic technology
- **CCD Television Camera**
 - High quality image
 - Excellent modulation transfer funktion (MTF)
 - Long life and high stability
 - High resistance against electro-magnetic interference
 - Precise image geometry
 - Low lag and little sticking
- **Industrial television monitor**
 - High detail resolution even into the corners of the picture
 - Overscanning / underscanning
 - Change-over of the constants for recording operation
 - 100Hz mode with respective video signal
- Produced under **ISO 9001** certified quality management system



Dimensions VISTALUX 7S2-CCD

Technical Data Television Monitor Type BG 644

Screen size	44 cm (approx.17")
TV line standards	525 lines / 60 Hz 625 lines / 50 Hz
Video inputs	2 x VBS signal 0.5 to 1.4 Vpp pos. asymmetric at 75 Ohm terminal load switchable
Synchronization	1 loop-through output per input internal at video inputs 1/2 external via video input 2 S signal 0.3 to 4 Vpp neg. at 75 Ohm or VBS signal
Operating temperature	+5 to +45° C
Power supply	115/230 V AC ±15 %, 50/60 Hz
Weight	approx. 14.5 kg (31.9 lbs)

Standard Delivery Scope

- X-ray image intensifier RBV17-2M (tube size 7")
- High resolution CCD television camera TM 765 E
- Camera holder for CCD camera
- Objective 35 mm with C-mount adapter
- Tandem optic with first surface mirror
- High quality RODENSTOCK- lens for the tandem optic
- Television monitor, B/W, 44 cm screen diagonal
- Coax / video cable, length 10 m, BNC / BNC

Options

- Mounting plate for image intensifier
- Monitor support, tiltable, to be mounted to radiosopic cabinet, incl. supporting frame
- Stand for monitor support
- Converter from 50 Hz video signal to 100 Hz video signal

- CCD camera, alternatively to the standard version:
 - CCD camera TM-745 E (60 Hz version)

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