

85.25 - Transmission apparatus for radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras, digital cameras and video camera recorders.

8525.50 - Transmission apparatus

8525.60 - Transmission apparatus incorporating reception apparatus

8525.80 - Television cameras, digital cameras and video camera recorders

(A) TRANSMISSION APPARATUS FOR RADIO-BROADCASTING OR TELEVISION, WHETHER OR NOT INCORPORATING RECEPTION APPARATUS OR SOUND RECORDING OR REPRODUCING APPARATUS

The apparatus for radio-broadcasting falling in this group must be for the transmission of signals by means of electro-magnetic waves transmitted through the ether without any line connection. On the other hand television apparatus falls here whether the transmission is by electro-magnetic waves or by line.

This group includes :

- (1) Transmitters for radio-broadcasting or television.
- (2) Relay apparatus used to pick up a broadcast and retransmit it and so increase the range (including television relay apparatus for mounting in aircraft).
- (3) Relay television transmitters for transmission, by means of an aerial and parabolic reflector, from the studio or site of an outside broadcast to the main transmitter.
- (4) Television transmitters for industrial use (e.g., for reading instruments at a distance, or for observation in dangerous localities). With this apparatus the transmission is often by line.

(B) TELEVISION CAMERAS, DIGITAL CAMERAS AND VIDEO CAMERA RECORDERS

This group covers cameras that capture images and convert them into an electronic signal that is :

- (1) transmitted as a video image to a location outside the camera for viewing or remote recording (i.e., television cameras); or
- (2) recorded in the camera as a still image or as a motion picture (i.e., digital cameras and video camera recorders).

Many of the cameras of this heading may physically resemble the photographic cameras of heading 90.06 or the cinematographic cameras of heading 90.07. The cameras in heading 85.25 and the cameras in Chapter 90 typically include optical lenses to focus the image on a light-sensitive medium and adjustments to vary the amount of light entering the camera. However, photographic and cinematographic cameras of Chapter 90 expose images onto photographic film of Chapter 37, while the cameras of this heading convert the images into analogue or digital data.

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The cameras of this heading capture an image by focusing the image onto a light-sensitive device, such as a complementary metal oxide semiconductor (CMOS) or charge-coupled device (CCD). The light-sensitive device sends an electrical representation of the images to be further processed into an analogue or digital record of the images.

Television cameras may or may not have an incorporated device for remote control of lens and diaphragm as well as for remote control of the horizontal and vertical movement of the camera (e.g., television cameras for television studios or for reporting, those used for industrial or scientific purposes, in closed circuit television (surveillance) or for supervising traffic). These cameras do not have any inbuilt capability of recording images.

Some of these cameras may also be used with automatic data processing machines (e.g., webcams).

"Travelling", mobile mechanical equipment for television cameras, whether or not presented separately, is **excluded** from this heading (**heading 84.28**).

Also **excluded** from this heading is electrical equipment for long-distance control and focussing of television cameras, when presented separately (**heading 85.37**).

In **digital cameras and video camera recorders**, images are recorded onto an internal storage device or onto media (e.g., magnetic tape, optical media, semiconductor media or other media of heading 85.23). They may include an analogue/digital converter (ADC) and an output terminal which provides the means to send images to units of automatic data processing machines, printers, televisions or other viewing machines. Some digital cameras and video camera recorders include input terminals so that they can internally record analogue or digital image files from such external machines.

Generally, the cameras of this group are equipped with an optical viewfinder or a liquid crystal display (LCD), or both. Many cameras equipped with an LCD can employ the display both as a viewfinder when capturing images and as a screen for displaying images received from other sources or for reproducing images already recorded.

PARTS

Subject to the general provisions regarding the classification of parts (see the General Explanatory Note to Section XVI), parts of the apparatus of this heading are classified in **heading 85.29**.

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The heading also **excludes** :

- (a) Apparatus of **heading 85.17**.
- (b) Separately presented radio-broadcasting reception apparatus for incorporation in relay apparatus (**heading 85.27**).
- (c) Satellite television receivers and satellite television reception systems (**heading 85.28**).
- (d) Special purpose vehicles permanently equipped with radio-broadcasting or television transmitters of this heading (generally **heading 87.05**).
- (e) Telecommunication satellites (**heading 88.02**).