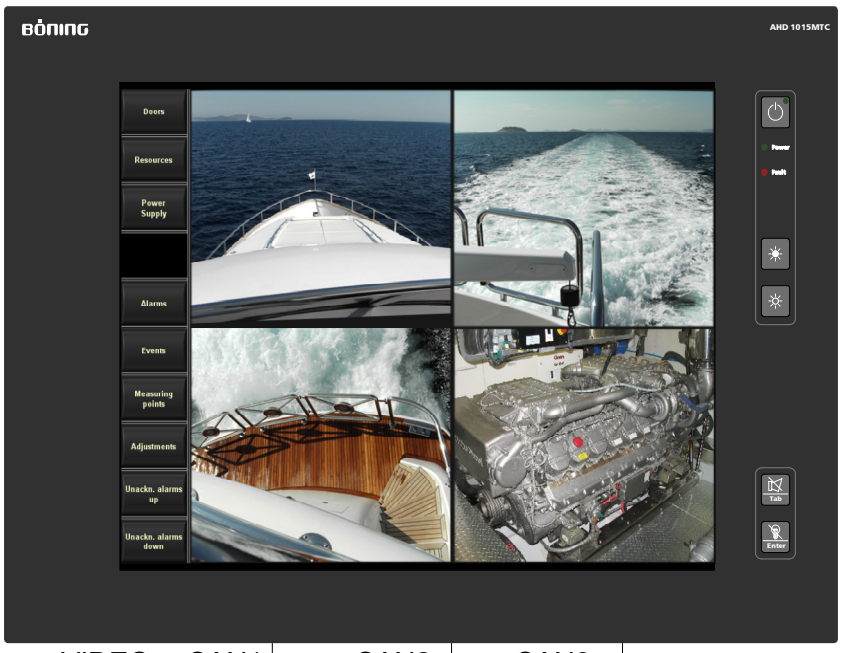
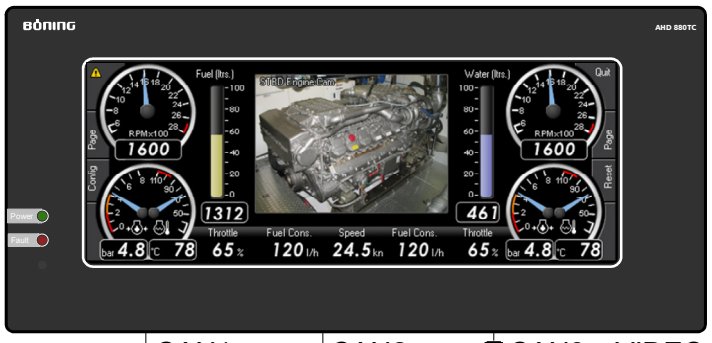
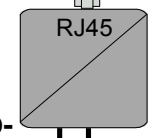
Colour display AHD 1015MTC with integrated PC



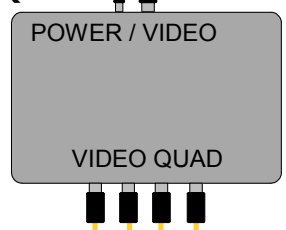
Colour display AHD 880TC



AHD-VSC-QC



AHD-VCS Q4-1



CAN1 CAN2 CAN3 VIDEO

VIDEO CAN1 CAN2 CAN3

Ship data

Stbd engine

Port engine

TV set with VIDEO input

VIDEO

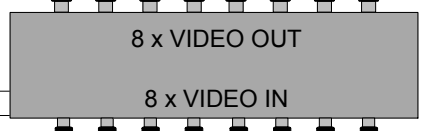
VIDEO **to further display**

Video control panel AHD-VCP

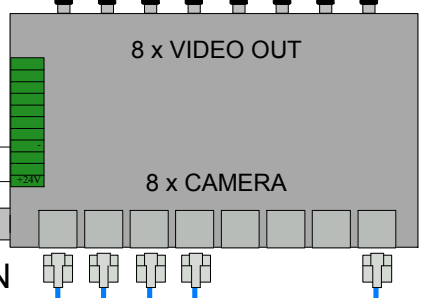
CAN

CAN

Video Recorder AHD-VC VR8



Video Switch AHD-VDCU 8/8



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Short description „Video System“

The scheme presents a video system, which is integrated into a ship alarm system. The ship alarm system acquires measuring point data of port and starboard engine as well as general ship data via 3 CAN bus systems. CAN3 for ship data transfers also control commands for cameras from video control panel AHD-VCP or touchscreen operation of 15“ colour display AHD 1015 MTC resp. 8,8“ colour display AHD 880 TC to video distribution and control unit (video crossbar) AHD-VDCU 8/8.

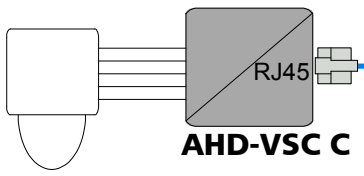
The video crossbar is the central unit of the video system. The video signals of the cameras are transmitted to the 8 input channels, processed according to executed operations and distributed via 8 output channels to connected colour displays, TV-monitors or to video quad processor AHD-VCS Q4-1. The video quad processor combines 4 camera images to a single camera image with presentation in 4 quadrants. This video signal is routed as the output signal of the unit via a signal converter AHD-VSC QC to input 8 of the video crossbar. Each display resp. monitor may select this signal by operation for simultaneous display of all 4 camera images on the screen.

The video recorder AHD-VC VR8 consists of 8 loop through channels for reception and storage of camera signals from outputs of the video crossbar. The camera images are looped through to connected displays, monitors and the video quad processor. The video recorder is provided with hard disc with huge capacity, where storage of image data (channel, image quality, storage frequency etc.) is configurable.

The four installed cameras are connected by a single CAT5 network cable to the first four inputs of the video crossbar via signal converter AHD-VSC C resp. AHD-VSC CF. The cameras AHD-VC 731, AHD-VC 751 and AHD-VC 740 are controlled and powered from video crossbar by this connection. The thermal image camera Flir Navigator II requires a separate 12 V DC from on-board supply system due to increased current consumption.

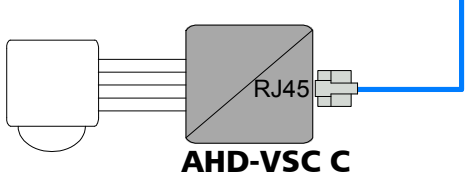
The cameras AHD-VC 731 and AHD-VC 751 are compact Dome cameras with pan-/ tilt function for a 360°monitoring. Also thermal image camera Flir Navigator II is provided with a pan-/tilt head.

The camera AHD-VC 740 consists of a water-proof casing for special application with monitoring of the anchor pocket and transmits a fixed camera image. The signal converter is already integrated in the casing.



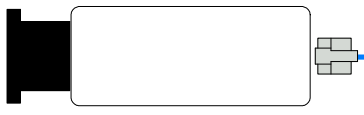
AHD-VSC C

AHD-VC 731 flexi dome camera

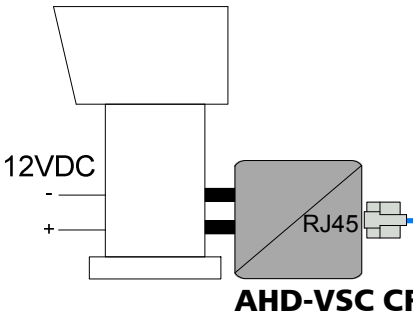


AHD-VSC C

AHD-VC 751 motor dome camera



AHD-VC 740 anchor camera



AHD-VSC CF

FLIR Navigator II thermal imaging camera

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