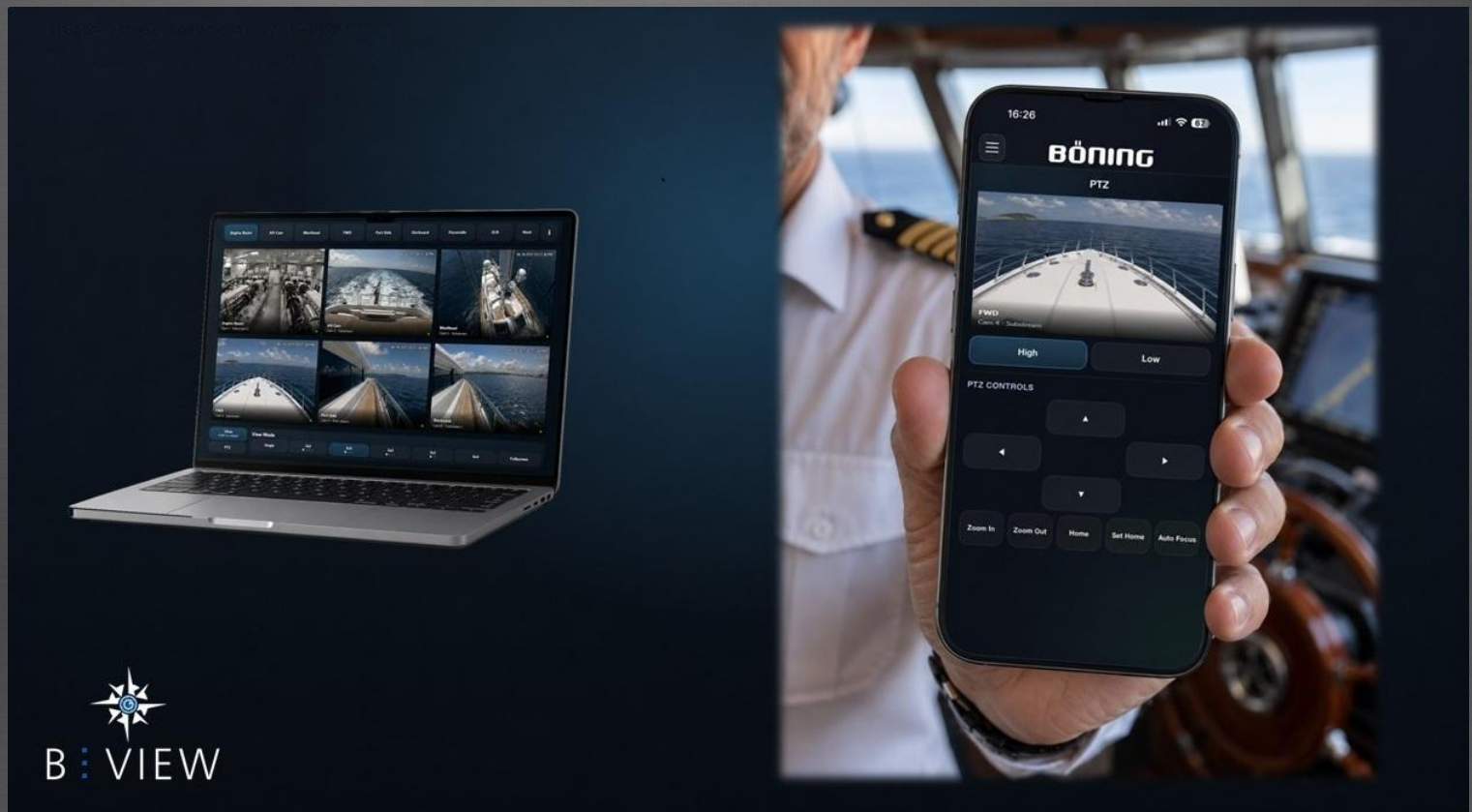


B:VIEW – Integrated Video Monitoring System



Video Network Products

The integrated video monitoring system presented here can be easily integrated into existing B:MACS structures. Alarm messages and camera images can be displayed together on Böning panel PCs. The video system uses network cameras and the latest PoE technology. Nearly all available cameras are powered through this system, so separate cabling is usually not required.

Böning has developed a new video control system for viewing the images and remotely controlling the cameras. The core component is the powerful “B:View Server” with an integrated server application that manages up to 24 video channels. Additional components designed to work with the system and a selection of cameras round out this concept.



Böning offers cameras for all major applications typically required on ships. For outdoor use, rugged camera models have been selected that fully meet the requirements of a maritime environment. Cameras are currently available in the following categories:

- Compact fixed-focal camera for indoor applications
- Universal varifocal cameras for indoor and outdoor applications
- PTZ Camera for mast mounting
- Universal PTZ camera for outdoor use, integrable
- PTZ thermal cameras
- Thermal camera for engine rooms

B:View Server

The “B:View Server” serves as the central unit in the integrated video monitoring system and manages all video channels in the camera network. With the integrated B:View system application, the video monitoring can be flexibly configured and is very user-friendly to operate. The following server variants are available:

- B:View Server for up to 8 video channels
- B:View Server for up to 16 video channels
- B:View Server for up to 24 video channels



B:View Server / B:View Client (Basic Version)

The installed server application performs the following primary functions:

- Basic functions for processing and scaling image data
- User interface for managing and configuring the available camera views within the visualization; images can be positioned as desired and displayed in various sizes.
- User interface for remote control of the connected cameras. Depending on the camera type, the image sector to be captured can be directly controlled using simple commands. For PTZ cameras, pan, tilt, and zoom are typically adjustable.
- Configuration of various image sequences
- Special functions for FLIR cameras (such as color palette)

B:View Client

A “B:View Client” can be used to integrate external monitors. This enables the easy integration of additional viewing locations with external monitors. The available camera images are processed via an integrated browser application, allowing preconfigured scenes to be retrieved and displayed directly.

Note: All server and client versions are also available with classified hardware.

B:View VC 2MP Indoor IP Dome Camera

Dome Camera for Indoor Applications ¹⁾

This compact fixed-focal dome camera with a 2.8mm lens has a 2MP resolution and can be used indoors or in sheltered outdoor areas. Optical alignment is performed manually during setup.



Dimensions: Ø 110 mm x 81 mm (H), Power supply: 12 VDC / PoE 5.6 W

B:View VC IP Outdoor Dome 2MP

Dome Camera for Indoor and Outdoor Applications ¹⁾

The universal dome camera with 2MP resolution and a 2.9–7.3 mm varifocal lens is suitable for indoor and outdoor use; optical alignment and zoom are set during initial setup. The camera housing is water-resistant, and semi-flush mounting is possible.



Dimensions: Ø 154 mm x 103 mm (H), Power supply: PoE 6.7 W

B:View VC IP Dome PTZ Outdoor 4MP

PTZ camera for pole mounting ¹⁾

This PTZ dome camera features a high 4MP resolution and a powerful 25x zoom. Equipped with a durable pan/tilt motor and a water-resistant housing, these cameras are ideally suited for outdoor use in high ambient temperatures. Ideal for mast mounting.



*Pan range = 0 to 360° continuous, tilt range = -5° to 90°,
Dimensions: Ø 171.1 mm x 170.4 mm (H), Power supply: 12 VDC / PoE+ 9.5 W (basic) /
21.5 W (max.)*

B:View VC IP Dome PTZ Outdoor 2MP

Universal PTZ camera for outdoor use, integrable ¹⁾

This PTZ dome camera with 2MP resolution and 10x optical zoom is suitable for indoor and outdoor use. It is equipped with a durable pan/tilt motor and comes in a water-resistant housing. Integrated installation is possible using a separate mounting bracket.



*Pan range = 0 to 360°, tilt range -15 to +195°,
Dimensions: Ø 165 mm x 139 mm (H), Power supply: 12 VDC / PoE+ 13 W / 18.4 W (max.)*

FLIR M-Series PTZ Thermal

PTZ thermal cameras ¹⁾

PTZ thermal cameras in the FLIR M series feature a rugged, weatherproof design and deliver impressive performance with their advanced thermal imaging technology for all applications, including night navigation, man-overboard situations, or the early detection of pirate attacks.

FLIR-M cameras are available as standalone night vision thermal cameras or as a combination of a thermal camera and a low-light camera. All cameras deliver sharp and clear thermal images, even in complete darkness, light fog, or smoke.



FLIR M332



FLIR M364C

*Water-resistant design, suitable for use in harsh outdoor environments, IPX6 protection rating (protection against heavy seas and powerful water jets),
Dimensions: Ø 222 mm x 328 mm (H), Power supply: 24 VDC, typ. 41 W*

FLIR AX8 Thermal

Thermal Camera for Engine Rooms ¹⁾

Reliable thermal imaging camera for monitoring critical onboard systems. It is ideal for use in engine room applications. The object temperature range depends on the camera type and ranges, for example, from -10° to +150°C.



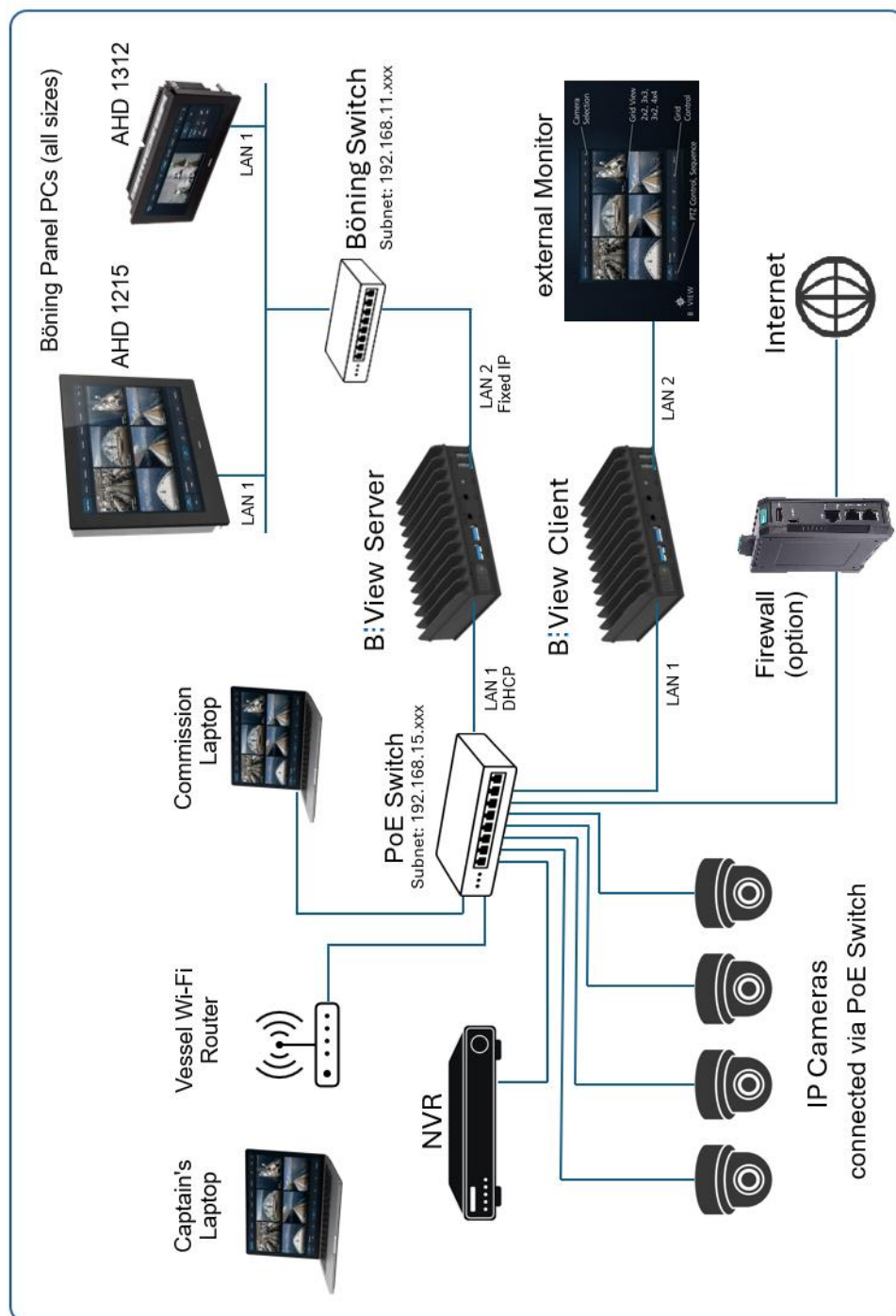
FLIR AX8 (MTMS)

Compact design in a water-resistant housing, thermal resolution = 80 x 60 pixels, dimensions 54 mm (W) x 79 mm (H) x 25 mm (D), power supply: 12/24 VDC / PoE 2 W (typ.)

¹⁾ Illustrations and specified data are subject to change due to technical advances

Application Example

The diagram below shows a system with 4 IP cameras, the central B:View Server with connected panel PCs, a B:View Client with an external monitor, and other optional components:



The cameras are powered via the PoE switch, so no additional power cables are required (except for the FLIR-M series). The use of a firewall is recommended for the Internet connection.

