

AHD-VSC XX Series

Video signal converter



- **Video signal converters for direct connection of video cameras to the Böning AHD-VDCU video router via cost-saving RJ45 cable**
- **Several versions available for different camera types**
- **Appropriate adaptation of the video and control signals supplied by AHD-VDCU and provision of a stable supply voltage (12 V DC or 24 V DC) for the respective camera type**
- **Connection via open cables or pre-assembled connectors for video signal, power supply, or camera control (depending on version)**
- **Internal electronics fully encapsulated to increase the protection class**
- **Can be installed in any position near the camera**

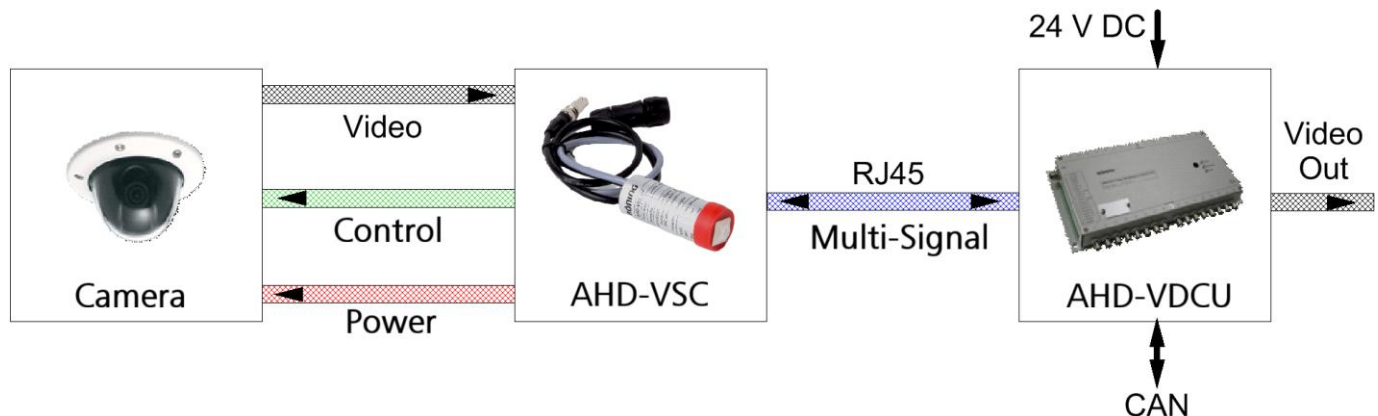
The AHD-VSC XX series offers various video signal converters for connecting selected cameras directly to the Böning AHD-VDCU video router. The integrated RJ-45 camera connections combine the power supply, video signal, and control interface in a single cable, allowing the use of cost-effective RJ45 patch cables.

AHD-VSC XX signal converters change the video and control signals into the right form and also give a stable power supply to the connected camera (except for cameras that must be powered externally due to their higher power requirements, for example, FLIR cameras).

Depending on the camera type, ready-made connectors such as BNC plugs/sockets or DC plug hollow connectors are provided for the power supply. Alternatively, wiring is carried out using open cables that are clearly coded.

For connection to the AHD-VDCU video router, we recommend using high-quality patch cables with RJ45 connectors on both ends (CAT5, twisted pair, straight through connection, AWG 23...26 depending on cable length, see AHD-VDCU manual). Böning provides suitable patch cables in various lengths.

Connection diagram



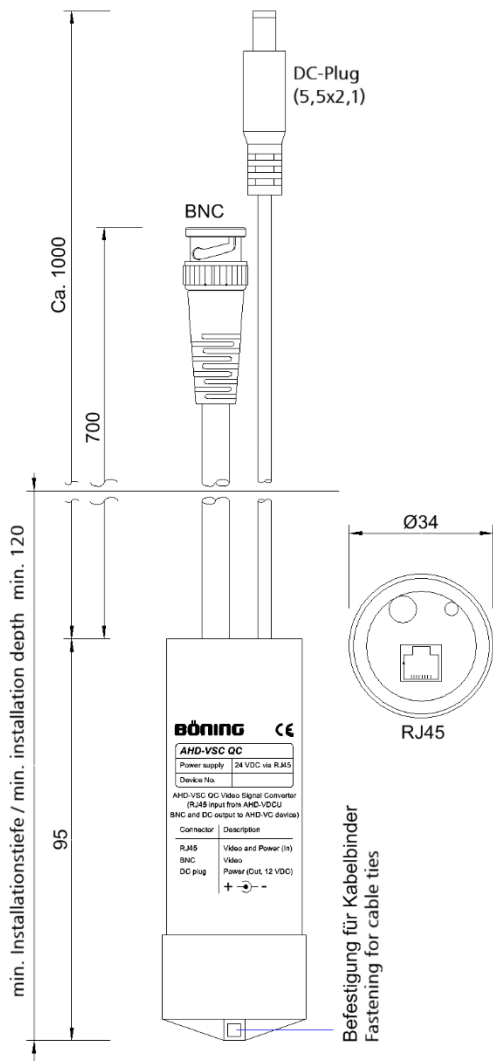
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Pos.	Item no.	Type	Connection Power	Connection Video	Connection Control	Application
1	11957	AHD-VSC QC	DC connector; 5,5x2,1mm (inner = +12 V)	BNC plug	---	Universal camera without control or video quad processor (for example, SeeEyes SC-04MHD)
2	16856	AHD-VSC B	Open wires: Cable1 = +12V; Cable2 = GND	BNC plug	----	Universal camera without control, for example for FAMOS cameras AHD-VC731a, AMOS 102° Set
3	17525	AHD-VSC CI	DC connector; 5,5x2,1mm (inner = +12 V)	BNC plug	Open wires Wire1 = RS485+; Wire2 = RS485 -	Universal PTZ camera, for example for VC-106P or "Dahua" dome camera
4	14551	AHD-VSC CB	Open wires: red = +12V; blue = GND	BNC plug	Open wires white = RS+; black = RS -	Universal PTZ camera with 24V power supply, for example dome camera AHD-VC 753
5	11720	AHD-VSC C	Open wires: red = +12V; blue = GND	Open wires: brown = Video +; blue = GND	Open wires: white = RS+; black = RS -	universal PTZ camera with 24V power supply, for example for some cameras of the AHD-VC series
6	13574	AHD-VSC CF	---	BNC plug incl. adapter socket/socket	Special connector (Souriau)	Universal PTZ camera with external power supply, for example Flir Navigator II ^{1 2)}
7	13684	AHD-VSC CFV	---	BNC plug	open wires Wire1 = Tx+; Wire2 = Tx -	Universal PTZ camera with external power supply, for example FLIR Voyager / M / MD series or IRIS 295 ^{1 3)}
8	19961	AHD-VSC QAC 24V	Open wires: red = +24V; blue = GND	BNC plug	Open wires white = RS+; black = RS -	Universal PTZ camera with 24V power supply, for example "Dahua" SD42212 ⁴⁾

It is generally recommended to operate the AHD-VDCU video crossbar with a DC/DC converter (24V/24V)!

- 1) Power supply is wired externally.
- 2) A special adapter (item #13575) for a "Flir Nav2" remote control is available as an optional item.
- 3) Note for Flir cameras: open wires remain unused and must be protected against short circuits and ground faults!
- 4) In combination with AHD-VSC QAC 24V, AHD-VDCU must always be operated with a DC/DC converter (24V/24V)!

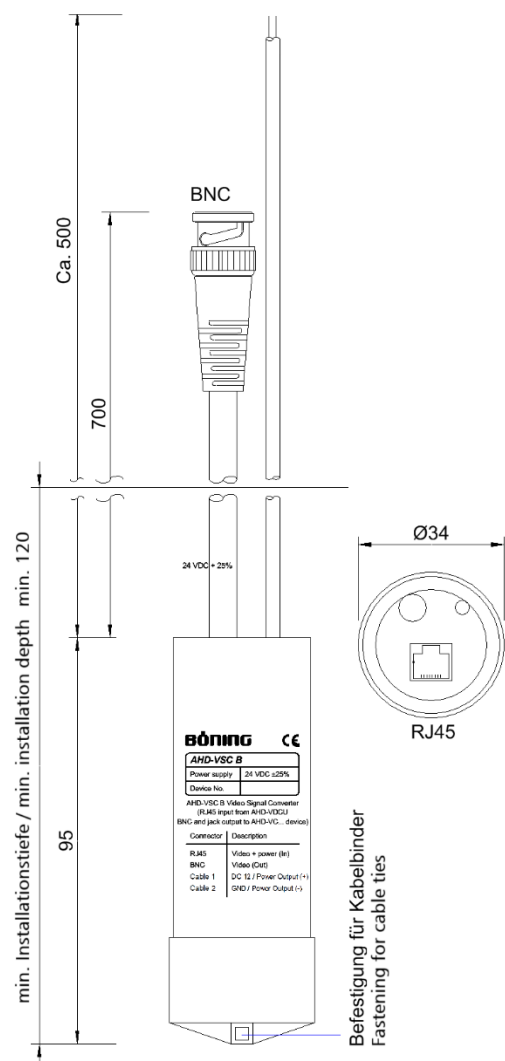
1. AHD-VSC QC



Technical data AHD-VSC QC

Application	Cameras without control, Video quad processor
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C to +70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	12V DC / 10W
Connections	DC plug (5.5x2.1 mm) for camera power supply, BNC plug for video signal, RJ45 socket for AHD-VDCU

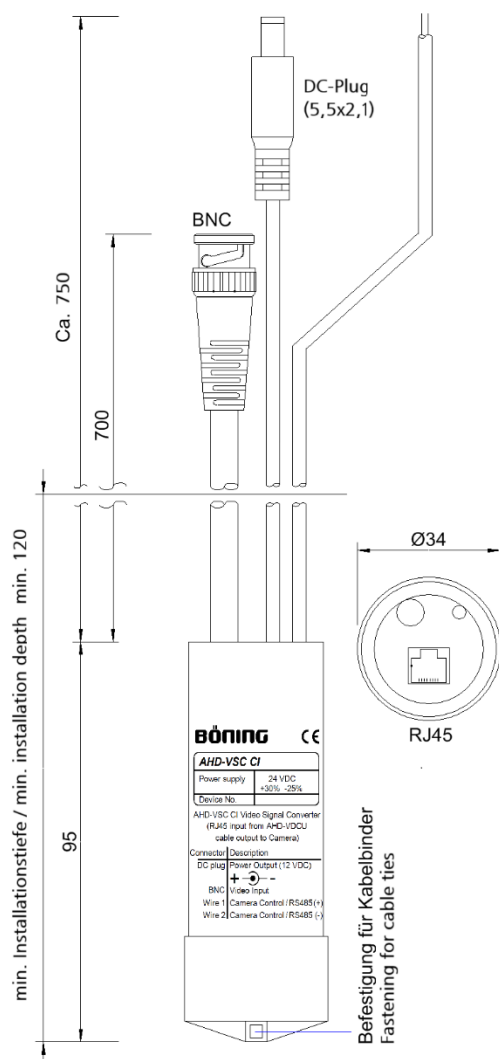
2. AHD-VSC B



Technical data AHD-VSC B

Application	Cameras without control
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C to +70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	12V DC / 10W
Connections	Cable connection for camera power supply, BNC connector for video signal, RJ45 socket for AHD-VDCU

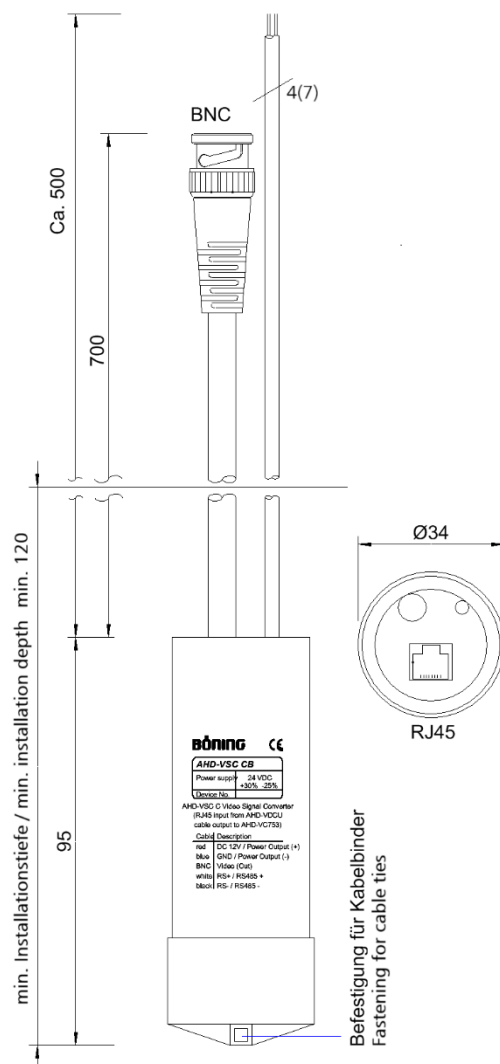
3. AHD-VSC CI



Technical data AHD-VSC CI

Application	PTZ cameras, for example VC-106P or "Dahua" dome cameras
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C to +70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	12V DC / 10W
Connections	DC plug (5.5x2.1 mm) for camera power supply, BNC connector for video signal, cable connection for RS485, RJ45 socket for AHD-VDCU

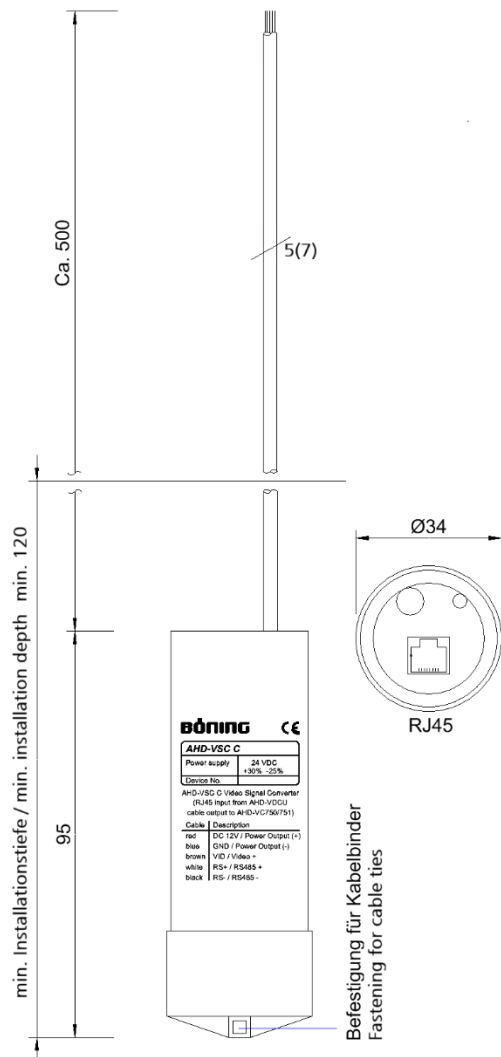
4. AHD-VSC CB



Technical data AHD-VSC CB

Application	PTZ cameras
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C to +70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	12V DC / 10W
Connections	Cable connection for camera power supply, BNC connector for video signal, Cable connection for RS485, RJ45 socket for AHD-VDCU

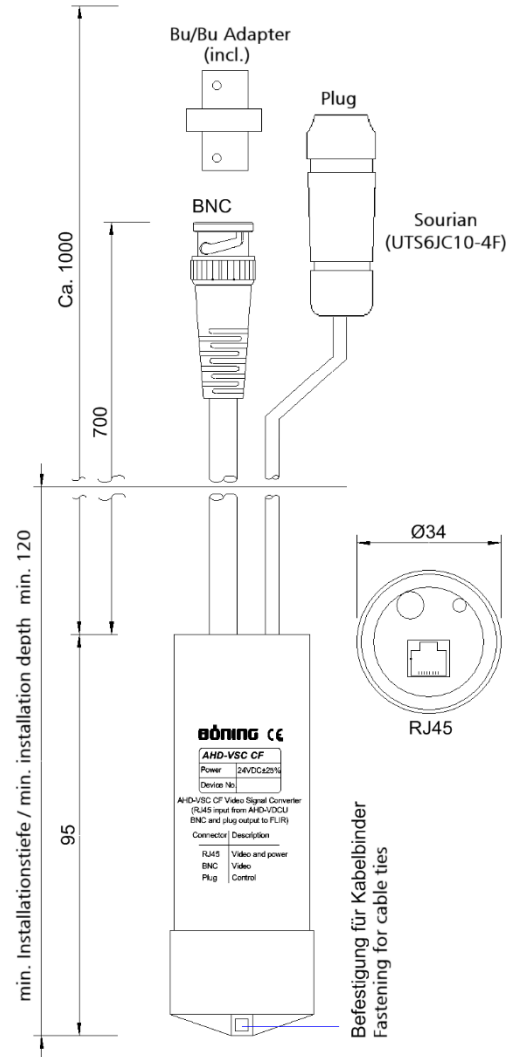
5. AHD-VSC C



Technical data AHD-VSC C

Application	PTZ cameras
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C to +70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	12V DC / 10W
Connections	Cable connection for camera power supply, Cable connection for video signal, Cable connection for RS485, RJ45 socket for AHD-VDCU

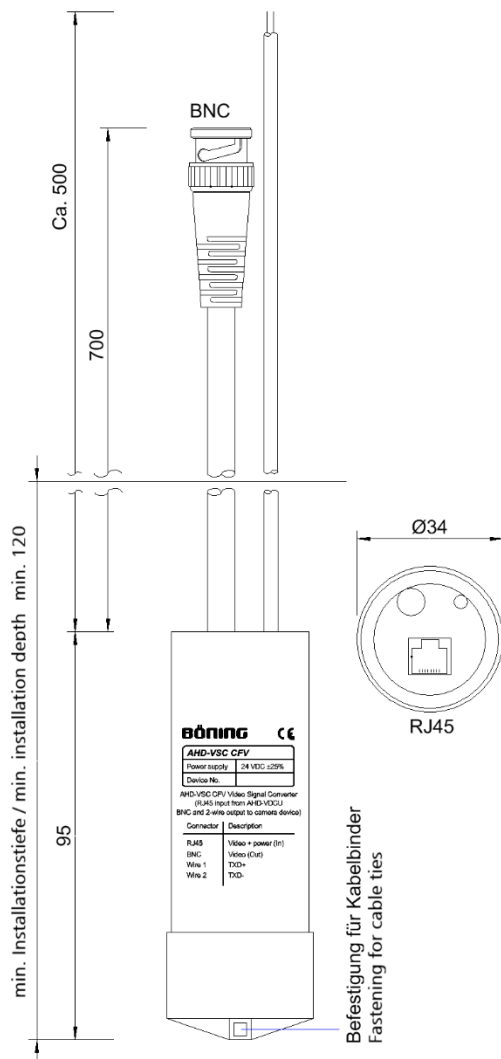
6. AHD-VSC CF



Technical data AHD-VSC CF

Application	PTZ cameras with external power supply, for example Flir Navigator II
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C...+70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	-
Connections	BNC connector for video signal, special connector for RS485, RJ45 socket for AHD-VDCU

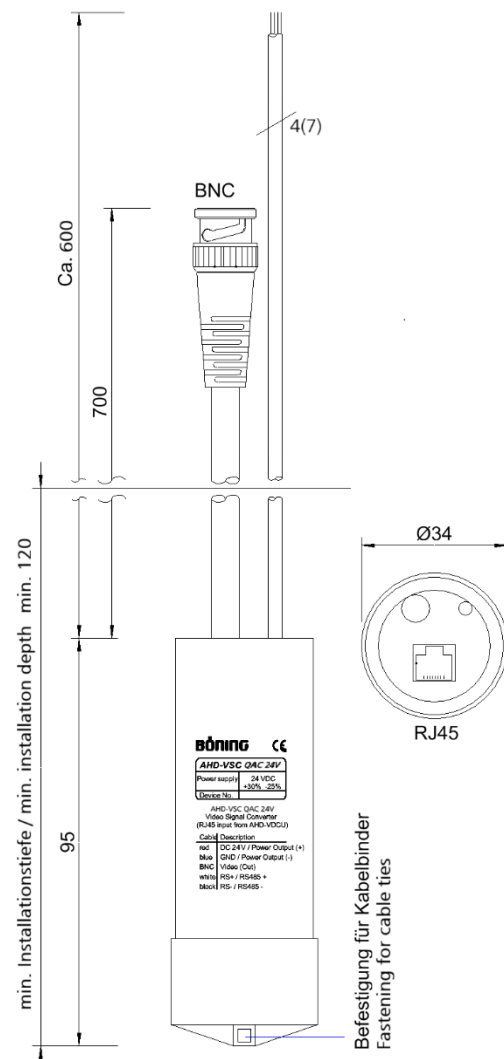
7. AHD-VSC CFV



Technical data AHD-VSC CFV

Application	PTZ cameras with external power supply, for example Flir Voyager, Flir M Series or IRIS295
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C to +70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	-
Connections	BNC connector for video signal, cable for RS485, RJ45 socket for AHD-VDCU

8. AHD-VSC QAC 24V



Technical data AHD-VSC QAC

Application	PTZ cameras 24V DC
Dimensions	Ø 34 mm x 95 mm
Min. installation depth	120 mm
Weight	Approx. 0.2 kg
Ambient temperature	-30°C to +70°C
Storage temperature	-50°C...+85°C
Protection class	IP20
Power supply	24 V DC (+30%/-25%)
Self consumption	40 mA
Voltage output (for camera)	24V DC / 10W
Connections	Cable connection for camera power supply, BNC connector for video signal, Cable connection for RS485, RJ45 socket for AHD-VDCU