



2020-1

Although the documentation has been set up with most carefulness, we do not accept any responsibility for mistakes, inaccuracies or printing errors.

Distributor / Vertrieb:

**VIDELCO** Europe GmbH – Professional Media Technology

Fon: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • [info@videlco.eu](mailto:info@videlco.eu) • [www.videlco.eu](http://www.videlco.eu)



2020-1





## ABOUT AVONIC

With over ten years of experience in the ProAV field, Avonic is a leading manufacturer of PTZ cameras, and has been innovating in the industry to bring unique, high quality audio-visual capture solutions to many hundreds of different applications.

Based in the beautiful city of Delft, the Netherlands, we set ourselves apart by developing products marked by their pristine image quality, outstanding reliability, ease of integration and affordability. Furthermore, we recognise that clients are not merely looking for a bag of camera tricks, but a full support service that will help them to pick the right tool for their application. We are able to guide clients in the purchase decision, installation process, and act as an ongoing support service throughout their video capture activities. It is our quality of service that sets us apart just as much as our innovative product development.

We specialise in the provision of PTZ cameras for markets including education, healthcare, worship, video conferencing, webcast studios and webinars. However, we recognise that the limit of PTZ application is only a lack of imagination, and our engineers and support staff pride themselves on the ability to deliver responsive, in-depth and flexible solutions for almost every PTZ application. Whatever story you want to tell, we have a way for you to tell it.

Represented by a worldwide network that stretches across Europe, the Americas, Africa, Australia and Asia, we maintain the warmth of a local company, and the expertise and reach of an international one.

And when we're not busy delivering industry-leading innovation and service in the PTZ market? Well, you'll probably find us having a little lego competition in the offices, or wandering the peaceful waterways and cobbled squares of beautiful Delft.



EDUCATION



VIDEO CONFERENCING





WORSHIP



GOVERNMENT



BROADCAST



WEBCASTING

# AV-CM22-VCU

Avonic 4K Video Conference Camera USB3.0



## Lens

Auto focus lens with 120° horizontal field of view.

## 4K UHD 2160p30

2160P ultraHD, 1/2.5 inch, progressive high quality CMOS sensor.

## Outputs

Up to 2160p on HDMI and USB 3.0

## Control

Control the camera with UVC, IR remote control included.

## Presets

Up to 10 presets with 0.1° accuracy.

## Dual Microphone

Crystal clear audio quality.



# AV-CM40

Avonic PTZ Camera 20x Zoom



## Lens

High quality glass lens, 20x optical zoom and 54.7° horizontal field of view.

## Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.5 lux @ F1.8) conditions.

## Full HD 1080p60

With 1/2.8" high quality CMOS sensor (2.07 Mega pixel) the camera has a resolution of 1920 x 1080p60 and achieves a picture of great quality.

## IP-features

IP-features camera can be controlled over IP

## Output

3G-SDI, HDMI up to 1080p60 and USB 2.0 up to 1080p30.

## Control

Control the camera with common protocols: VISCA , Pelco-D/P via RS232, RS485 or IR. IR remote control included.

## Presets

Up to 255 presets with 0.1° accuracy.





# AV-CM44-VCUC-B

Avonic Video Conference Camera Black



## Lens

High quality wide angle glass lens, 5x optical zoom and 83.7° horizontal field of view.

## Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.5 lux @ F1.8) conditions.

## Full HD 1080p30

With 1/2.8" high quality CMOS sensor (2.07 Mega pixel) the camera has a resolution of 1920 x 1080p30 and achieves a picture of great quality.

## IP-features

IP-features camera can be controlled over IP

## Output

USB 2.0 up to 1080p30.

## Control

Control the camera with common protocols: VISCA , Pelco-D/P via RS232 or IR. IR remote control included.

## Presets

Up to 255 presets with 0.1° accuracy.





# AV-CM44-VCUC-KIT1

Avonic Video Conference KIT1



## Camera CM44-VCUC

### Lens

High quality wide angle glass lens, 5x optical zoom and 83.7° horizontal field of view.

### Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.5 lux @ F1.8) conditions.

### Full HD 1080p30

With 1/2.8" high quality CMOS sensor (2.07 Mega pixel) the camera has a resolution of 1920 x 1080p30 and achieves a picture of great quality.

### Output

USB 2.0 up to 1080p30.

### Control

Control the camera with common protocols: VISCA, VISCA-IP, Pelco-D/P via RS232 or IR. IR remote control included.

### Presets

Up to 255 presets with 0.1° accuracy.

## Microphone AV-MIC44

- 3 Microphones to pick up all voices around the table
- Full duplex microphone and speaker
- 2 meter range pickup and clear audio
- Easy plug and play installation
- USB powered, no additional power required
- Compatible with various UVC devices
- Compatible with Windows, Linux, Mac OS

# AV-CM44-VCUC-KIT2

Avonic Video Conference KIT2



## Camera CM44-VCUC

### Lens

High quality wide angle glass lens, 5x optical zoom and 83.7° horizontal field of view.

### Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.5 lux @ F1.8) conditions.

### Full HD 1080p30

With 1/2.8" high quality CMOS sensor (2.07 Mega pixel) the camera has a resolution of 1920 x 1080p30 and achieves a picture of great quality.

### Output

USB 2.0 up to 1080p30.

### Control

Control the camera with common protocols: VISCA, VISCA-IP, Pelco-D/P via RS232 or IR. IR remote control included.

### Presets

Up to 255 presets with 0.1° accuracy.

## Microphone CM-MIC100

- 3 Cardioid microphones to pick up all voices around the table
- Hassle free full duplex conversation due to enhanced echo and noise cancellation
- Easy plug and play installation
- Ideal for use with Skype, Zoom and other UC Platforms
- USB powered, no additional power cords or adapter required
- Remarkable voice quality

# CM60-IPX-BOX

Avonic Box Camera 20x Zoom IP White



## Lens

High quality TAMRON glass lens, 20x optical zoom and 60.7° horizontal field view.

## Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under low illumination (0.05 lux @ F1.8) conditions.

## Full HD 1080p60

With Panasonic's 1/2.7" high quality CMOS sensor (2.07 Mega pixel) the camera has a resolution of 1920 x 1080p60 and achieves a picture of great quality.

## IP-features

The camera can be accessed by webGUI. Controlled by VISCA over IP and stream the video.

## DUAL IP-Stream

H265, H264 and MJPEG compression at a bitrate up to 8Mbit enabling Full HD video stream by ultra low bandwidth over RTSP, RTMP and Multicast.

## Outputs

3G-SDI and IP simultaneously.

## Control

Control the camera with common protocols: VISCA, Pelco-D/P, RS485, IP (VISCA).

## Presets

Up to 255 presets with 0.1° accuracy.



# AV-CM70-IP

Avonic PTZ Camera 20x Zoom IP



## Lens

High-quality glass lens, 20x optical zoom and 55.2° horizontal field of view.

## Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under very low illumination conditions.

## Full HD 1080p60

The camera has a resolution of 1920 x 1080p60 and achieves a pristine image quality.

## IP-features

The camera can be powered using PoE and can be accessed by webGUI. Controlled by VISCA over IP and stream the video.

## DUAL IP-Stream

H265, H264, optional SRT and MJPEG compression at a bitrate up to 40Mbit enabling Full HD video stream by ultra-low latency over RTSP, RTMP, UDP and Multicast.

## Outputs

3G-SDI (low latency), HDMI up to 1080p60 and USB 2.0 up to 1080p30, IP.

## Control

Control the camera with common protocols: VISCA , Pelco-D/P via RS232, RS485, IP(VISCA) or IR, remote control included. Supports up to 255 presets with 0.1° accuracy and High Speed Pan Tilt function.

## Audio embedding

Balanced audio input with embedding into IP stream, SDI and HDMI outputs. Includes configurable audio offset.





# AV-CM71-IP

Avonic PTZ Camera 12x Zoom IP



## Lens

High-quality glass lens, 12x optical zoom and 72.5° horizontal field of view.

## Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under very low illumination conditions.

## Full HD 1080p60

The camera has a resolution of 1920 x 1080p60 and achieves a pristine image quality.

## IP-features

The camera can be powered using PoE and can be accessed by webGUI. Controlled by VISCA over IP and stream the video.

## DUAL IP-Stream

H265, H264, optional SRT and MJPEG compression at a bitrate up to 40Mbit enabling Full HD video stream by ultra-low latency over RTSP, RTMP, UDP and Multicast.

## Outputs

3G-SDI (low latency), HDMI up to 1080p60 and USB 2.0 up to 1080p30, IP.

## Control

Control the camera with common protocols: VISCA , Pelco-D/P via RS232, RS485, IP(VISCA) or IR, remote control included. Supports up to 255 presets with 0.1° accuracy and High Speed Pan Tilt function.

## Audio embedding

Balanced audio input with embedding into IP stream, SDI and HDMI outputs. Includes configurable audio offset.



# AV-CM73-IP

Avonic PTZ Camera 30x Zoom IP



## Lens

High-quality glass lens, 30x optical zoom and 65.1° horizontal field of view.

## Low light

High SNR CMOS combined with digital noise reduction, the picture is clear even under very low illumination conditions.

## Full HD 1080p60

The camera has a resolution of 1920 x 1080p60 and achieves a pristine image quality.

## IP-features

The camera can be powered using PoE and can be accessed by webGUI. Controlled by VISCA over IP and stream the video.

## DUAL IP-Stream

H265, H264, optional SRT and MJPEG compression at a bitrate up to 40Mbit enabling Full HD video stream by ultra-low latency over RTSP, RTMP, UDP and Multicast.

## Outputs

3G-SDI (low latency), HDMI up to 1080p60 and USB 2.0 up to 1080p30, IP.

## Control

Control the camera with common protocols: VISCA , Pelco-D/P via RS232, RS485, IP(VISCA) or IR, remote control included. Supports up to 255 presets with 0.1° accuracy and High Speed Pan Tilt function.

## Audio embedding

Balanced audio input with embedding into IP stream, SDI and HDMI outputs. Includes configurable audio offset.



# AV-CM93-IP

Avonic PTZ Camera 31x Zoom IP



## Lens

High quality glass lens, 31x optical zoom and 58.6° horizontal angle view.

## Real 4K60 Installation Camera

Back illuminated 12 Megapixel CMOS image sensor with High SNR.

## IP-features

The camera can be powered using PoE and can be accessed by webGUI. Controlled by VISCA over IP and stream the video.

## DUAL IP-Stream

H265, H264, optional SRT and MJPEG compression at a bitrate up to 40Mbit enabling Full HD video stream by ultra-low latency over RTSP, RTMP, UDP and Multicast.

## Outputs

3G-SDI (low latency), HDMI up to 1080p60 and USB 2.0 up to 1080p30, IP.

## Control

Control the camera with common protocols: VISCA , Pelco-D/P via RS232, RS485, IP(VISCA) or IR, remote control included. Supports up to 255 presets with 0.1° accuracy and High Speed Pan Tilt function.

## Audio embedding

Balanced audio input with embedding into IP stream, SDI and HDMI outputs. Includes configurable audio offset.



# CM-CON100

Avonic PTZ Camera Controller



Controller perfectly suited for the Avonic PTZ Cameras.

## Number of presets

With this compact controller, it is possible to control up to 256 cameras and use up to 256 pre-sets.

## Connection

Easy to connect with RS232 , RS485

## Control

Every setting of the camera can be controlled by accessing the OSD of the camera through the controller.

Directly control the camera's Pan, Tilt, Zoom and Focus.



# AV-CON300 -IP

Avonic PTZ Camera Controller



The Avonic AV-CON300-IP is an advanced IP PTZ camera controller and compatible with the Avonic cameras as well with other brands that supports VISCA over IP, Pelco-D and Pelco-P protocols.

Switch easily between auto and manual focus, save and recall presets, and connect to multiple cameras.

## Number of presets

With this controller, it is possible to control up to 50 cameras over serial connection and another 255 over IP. Set up to 10 presets per camera.

## Connection

The controller supports the VISCA over IP, Pelco-D and Pelco-P protocol and can be connected with RS232/485 and over IP.

## Direct Control

This controller gives you direct control over the most important camera settings like Pan, Tilt, Zoom, PTZ speed, Focus, Iris, Brightness, White Balance and R/B color correction. All other settings of the camera can easily be accessed through the OSD of the camera using the controller.



# AV-MN500

Avonic Triple 5" LCD Monitor Rack Mount



The AV-MN500 is an extremely thin and lightweight Rack Monitor with triple 5" 800×480 screens, allowing you to view 3 SD, HD or 3G-SDI sources on a 2U rack monitor. This rack mount LCD monitor has been widely used in all levels of broadcast production and small scale productions.

## Inputs

With Composite video, Audio, HDMI, 3G-SDI input, suitable for a variety of signals.

## Output (loop-through)

HDMI, SDI, Composite video, Audio

## Rack mount

2U rack mount with triple 5" LCD monitor, compact thin and lightweight design, which makes it suitable for installing where the space is limited to be installed in the standard 19-inch rack

## Tally light

Three-color Tally indicator

## Custom buttons

You could set the custom F button function as customers operating habit.

## Advanced functions

Center Marker, Safe Frames, Check Field, Focus Assist, Aspect Ratio, Image Flip, P2P, Image Freeze, etc.



# AV-REC200

Avonic SDI and HDMI Recorder Streamer



The Avonic AV-REC200 is the ideal standalone USB and SD-card recorder and web/streaming device. Users can simply connect an HDMI or SD/HD-SDI input and in a few simple steps, they will be streaming and/or recording.

## Support

With support for UDP/HLS/RTMP/RTSP live output and USB/SD Card recording the REC200 it enables corporate streaming, live streaming to various platforms and live high bitrate full HD 1080P60 recording.

## Simple to use

A simple to use webinterface and IP control enable ease of use and full integration with 3rd party control systems.

## Inputs

1x HDMI, 1x 3G-SDI, with High Definition input resolutions up to 1080p60

## Outputs

HDMI Out, USB storage, SD-card storage, RTSP via RJ45



# AV-REC100

Avonic Recorder HDMI to USB



The Avonic AV-REC100 is a very easy to use HDMI recorder. It records any source up to 1080p 60 fps including audio to a USB hard disk drive or a High Speed flash drive. It uses H.264 AVCHD M2TS, which guarantees a low latency and high quality compression.

Recorded video can be played back on the device itself or through any media player, Blu-Ray Disc player or PC/Notebook that supports AVCHD M2TS file format.

## Inputs

HDMI

## Outputs

Supports HDMI and USB.

## Storage indication

4 GB per hour.



# UEX150

USB 2.0 extender 50m over CAT5



The Avonic AV-EUX150 extends USB 2.0 signals up to 50 meters over CAT6a S/FTP network cable. The AV-EUX150 works plug and play with all major operating systems such as Windows, Linux and Mac OS.

## Input TX

USB 2.0 Type A to Type B (3 ft. cable included)

## Output TX

RJ45

## Input RX

DC 5 V, RJ45

## Output RX

USB2.0 Type A 2x

Supports up to 480Mb/s





# CM-MIC100

Avonic Speakerphone USB2.0



## Speaker

3 inch speaker.

## Volume

Adjustable to 94 dBA SPL (peak) volume at 0.5 meters.

## Microphone

3 cardioid microphones with a pick-up range up to 3 meter. Individually selectable, or all together depending on number of participants.

## Noise reduction

Dynamic noise reduction. Gated microphones with intelligent microphone mixing.

## Audio technology

AEC Echo canceller, NR noise canceller, AGC automatic gain controller, NLP nonlinear echo canceller, ALC automatic level controller, EQ frequency equalizer.

## Connection

1x USB 2.0 for audio and power combined.

# AV-CAP100

Avonic Capture Device HDMI to USB3.0



The AV-CAP100 is powered over USB and does not require an additional power supply, making installation very straight forward, just plug and play.

## Compatibility

It's compatible with Windows, Linux, Mac OS X and with many different USB 3.0 chipsets (Intel, Renesas, ASMedia, Fresco Logic). It is compatible with Skype for Business, Zoom.us, Webex, and many more.

## Inputs

HDMI

## Outputs

USB

# AV-CV150

Avonic Converter 3G-SDI to HDMI with loop-out



The Avonic AV-CV150 converts SD-SDI, HD-SDI and 3G-SDI signals to HDMI, while ensuring a fast signal transmission without any loss. Resolutions up to 1080p 60fps are supported

Thanks to the loop-through 3G-SDI design, it is not only a converter, but also a splitter.

## Inputs

3G-SDI

## Outputs

HDMI, 3G-SDI

# AV-CV160

Avonic Converter HDMI to 2x 3G-SDI



The Avonic AV-CV160 HDMI to 3G-SDI converts any HDMI signal up to 1080p 60fps to a dual 3G-SDI output. This means that it is a converter and splitter in one, making it extremely cost effective. The converter does not apply any compression to the incoming signal, the output is completely lossless.

It's small form factor makes it easy to install.

## Inputs

HDMI

## Outputs

2x 3G-SDI

# MT-200W/B

Avonic PTZ Camera mount



Wall mount for Avonic cameras. Available in black and white.

# CM-CMW/B

Avonic ceiling mount



Ceiling mount plate for Avonic CM40 cameras. Available in black and white.

# CM-WMW/B

---

Avonic wall mount



Wall mount plate for Avonic CM40 & CM60 series cameras. Available in black and white.

# NOTES

---