

# CM22-VCU 4K Huddle Camera

## 4K USB3.0 Huddle Camera with HDMI Output

The Avonic CM22-VCU boasts a 4K wide-angle lens up to 120 degrees FOV that makes sure you can capture all attendees.

It's Smart automatic and fully user configurable modes guarantee crystal clear video even under the most challenging light conditions. Built in dual microphones allow for high quality audio capture.

A true integration product with a discrete design and flexible mount developed for PRO-AV installations. It can be easily mounted either on top of or below a screen for optimal line of sight during a meeting. The mount can be used in combination with modern thin-bezel screens.

Designed to last the CM22-VCU comes with 3 year warranty.



## Features

<b>Lens:</b>	Auto focus lens with 120° Horizontal FOV.
<b>Crystal Clear Image:</b>	4K Progressive CMOS sensor 2160P ultraHD
<b>Output:</b>	HMDI and USB3.0 up to 4K30 or 1080p30 when using USB 2.0
<b>Presets:</b>	10 user definable preset with Digital Pan Tilt and Zoom including startup preset
<b>Audio:</b>	Built in noise cancelling microphones with 4 meter pickup range.
<b>Control:</b>	Control the camera via any UVC based videoconference application or the included IR remote control.
<b>Mount:</b>	The camera comes with an included detachable integration mount with the ability to secure and mount the camera above or below a screen.

## Applications

- Education
- Desktop Video Conferencing
- Medium Size Meeting Rooms
- And more
- Telemedicine
- Small Size Meeting Rooms
- Huddle Rooms

# SPECIFICATIONS

## Camera

<b>Video Systems HDMI</b>	2160p/30, 1080p30, 1080i60, 1080i50 2160/p30, 1080p/30, 720p/30,
<b>Video Systems USB</b>	160x120, 176x144, 320x240, 352x288, 640x480, 750x576, 1600x896, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 640x360, 480x272, 424x240, 320x180p30.
<b>Sensor</b>	1/2.5" CMOS, 8.51 MP
<b>Shutter</b>	1/30s ~1/10000s
<b>Scanning mode</b>	Progressive
<b>Lens</b>	f=2.8mm, 120° FoV
<b>Minimal Illumination</b>	0.05 LUX
<b>White Balance</b>	Auto, Outdoor, Indoor, Manual, OnePush, Variable 2500K-8000K in steps of 100K
<b>Backlight Compensation</b>	present, but limited functionality
<b>Lens Distortion Correction</b>	present
<b>Digital Noise Reduction</b>	2D & 3D DNR
<b>Signal Noise Ratio</b>	>55 dB
<b>Horizontal Field of View</b>	120°
<b>Vertical Field of View</b>	67,5°
<b>H&amp;V image flip</b>	supported
<b>Number of presets</b>	0~9
<b>Preset accuracy</b>	0.1
<b>Microphones (active on USB only)</b>	2
<b>Microphones pick up range</b>	4 meter

## Output Interface

<b>HDMI output (video only)</b>	version 1.4, 2160p30
<b>USB output (microphone + video)</b>	USB3.0, type B female, 2160p30 USB2.0 max. 1080p30
<b>Control protocol</b>	Standard UVC drivers in computer OS

## General Specifications

<b>Input voltage</b>	5V
<b>Power consumption</b>	4W
<b>Operating temperature</b>	-5°C ~ 40°C
<b>Storage temperature</b>	-20°C ~ 60°C
<b>Operating humidity</b>	20% ~ 95% non-condensing
<b>Bottom fastening screw thread</b>	1/4" 20 UNC
<b>Color</b>	Black
<b>Dimensions product excl. mount and connectors. WxHxD (mm)</b>	219x43x58mm
<b>Dimensions product incl. mount. WxHxD (mm)</b>	219x52x61~205mm (depth depends on mounting position)
<b>Weight product</b>	480 gram
<b>Dimensions box WxHxD (mm)</b>	310 x 97 x 258
<b>Shipping weight</b>	1159 gram
<b>In the box</b>	1 x AV-CM22-VCU camera + adjustable mount 4 x USB psu (EU, UK, US, AUS) 1 x remote control CM-RC 1 x 1.8m USB 3.0 A to B cable 1 x lens cap 1 x quick guide

## Back of the camera



## CE Marking

<b>AVONIC 4K Video Conference Camera</b>	
Model No.: AV-CM22-VCU	
FOV: 120 Degree	
Power requirement: 5V	
Power consumption: 5W	
Serial No.: 22B210100006	